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THE CHEMIST AND DRUGGIST

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"CHEMUS LONDON."

Established in
[AUSTRALASIA, 1885.

No. 1,694. VOL. LXXXI.

JULY 13, 1912.

{ Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.

STOCK

Apollinaris

The Physicians' Favourite Natural Table Water.

In the special sizes so commonly ordered for the sick room.

Small quantities of 25 bottles in assorted sizes specially supplied to Chemists.

Supply THE APOLLINARIS CO., LIMITED, 4 STRATFORD PLACE, LONDON, W.

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Citrate of Magnesia
Gazogene Powders

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Eliminating the Glare and
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Light.

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OPTICAL CO., LTD.,**

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*Pure
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Essential
Oils.
Colours.*

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London, S.E.

Neave's Food

With further reference to their Notice, relative to the advance in the gross price of "Neave's Food" 1/- per dozen (1-lb. tins), Messrs. Josiah R. Neave & Co. beg to state that having received intimation that many of the Principal Chemists, Stores, and Grocers have advanced their prices so as to show a reasonable profit, they hope that **all** the Retail Houses will take advantage of the present opportunity to do likewise, and Messrs. Josiah R. Neave & Co. will be glad to render them any assistance **in their locality** towards this end.

FORDINGBRIDGE,
10th July, 1912.

IMPORTANT NOTICE!

Alteration in Prices.

July 8, 1912.

We beg to advise our customers that our Wholesale Prices were raised on the 1st inst., as follows :—

3/6 Macassar Oil ... 25/- per doz. net.	2/3 Kalydor 21/- per doz. net.
7/- " " ... 50/- " "	4/6 " " ... 42/- " "
10/6 " " ... 78/- " "	8/6 " " ... 76/- " "
21/- " " ... 156/- " "	Odonto 25/- " "

(No Discount will be allowed off these Prices),

and we have also decided that no Wholesale House dealing direct with us shall sell to any retailer under the following prices :—

3/6 Macassar Oil ... 27/- per doz. net.	2/3 Kalydor 23/- per doz. net.
7/- " " ... 54/- " "	4/6 " " ... 46/- " "
10/6 " " ... 86/- " "	8/6 " " ... 84/- " "
21/- " " ... 172/- " "	2/9 Odonto 27/- " "

We have also fixed a scale of Minimum Prices, at which Stores, Chemists, and the Retail Trade should sell our articles. They are as follows :—

3/6 Macassar Oil ... 2/4 per bottle.	2/3 Kalydor 2/2 per bottle.
7/- " " ... 4/8 " "	4/6 " " ... 4/2 " "
10/6 " " ... 8/- " "	2/9 Odonto 2/4 per box.

and we beg to say that should we find any Wholesale House, Stores, Chemists, or Retailers selling under the above prices we shall be obliged to refuse to supply them.

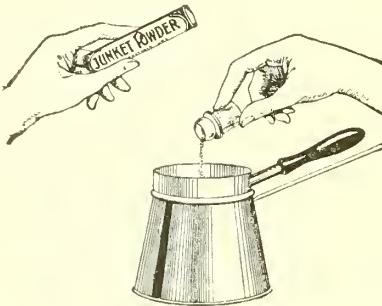
These Minimum Prices must not be taken as Maximum Prices. Retailers must exercise their own discretion as regards them.

*These Minimum Wholesale and Retail Prices
only apply to goods sold in the United Kingdom.*

A. ROWLAND & SONS, — 67 — **Hatton Garden, LONDON, E.C.**

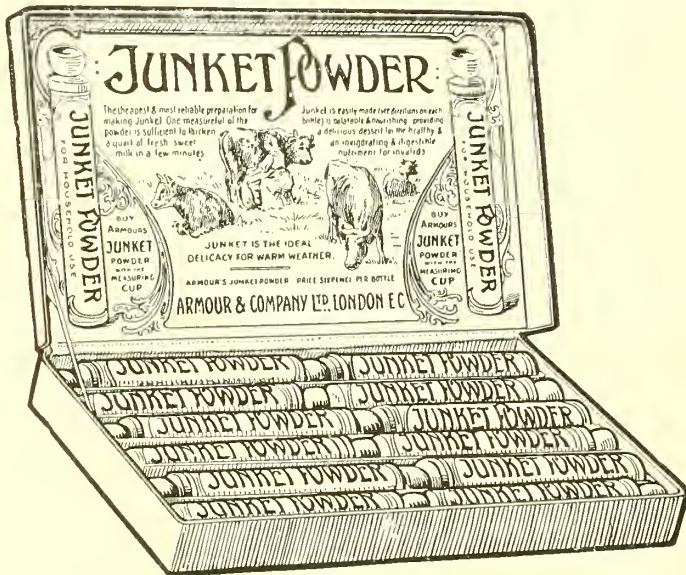
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Every box contains a window bill.

ARMOUR AND COMPANY
LIMITED  LONDON

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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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Gladwin, T. H.

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Fliegel & Co.

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Sangers'

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Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
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Sangers

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Reuter, R. J.
Sangers
Shantz, F., & Co., Ltd.
Solport Bros.
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE
Baiss Bros. & Stevenson, Ltd.
Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodhall, Backhouse & Co.
Potter & Clarke, Ltd.
Ransom, W., & Son.
Schuett & Wildenhayn
Sparks, White & Co., Ltd.

DYEWARES
Clemens, Marshall & Garbett

EAU DE COLOGNE
Farina, J. M.
Farina, J. M. (No. 4)
Flockus, Courtney & Co.
McCracken, J. & R.
Reuter, R. J.
Schutze, F., & Co., Ltd.
Spurway and Cie.

EDUCATIONAL INSTITS.
Bath & West of England College
Birmingham & Midland College
College of Preceptors
Elst's College
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
Copal, Ltd.
Greenwich Lemonade Co.
Guest, Thos., & Co.
Lloyd, T. Howard, & Co.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

ELECTRICAL NOVELTIES
Millard Bros., Ltd.
Ward & Goldstone

EMERY AND CLOTH
Oakley, J., & Son, Ltd.

EMULSIFIERS
Bennett, Sons & Shears, Ltd.

EMULSIONS, C. L. O., &c.
Baiss Bros. & Stevenson, Ltd.

ENEMAS
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warue, W., & Co., Ltd.

EPSON SALTS
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.

ESSENCES, CONCRETE

Spurway et Cie.

ESSENCES, SOL. AND FRUIT

Allianco Drug & Chem. Co.

Barnett & Foster

Boake Roberts & Co., Ltd.

Bush, W. J., & Co., Ltd.

Hay, Wm., Ltd.

London Essence Co.

Newball & Mason

Stevenson & Howell, Ltd.

Stevenson, H. E., & Co.

ETHERS

Baiss Bros. & Stevenson, Ltd.

Duncans, Flockhart & Co.

Howards & Sons, Ltd.

Macfarlan, J. F., & Co.

May & Baker, Ltd.

Tyrer, T., & Co., Ltd.

White, A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd., The

EXTRACT OF HERBS

Newball & Mason

Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)

Allen, Stafford & Sons, Ltd.

Burroughs, Wellcome & Co.

Evans Sons Lescher & Webb, Ltd.

Gatherhead Exr.

Hewlett, C. J., & Son, Ltd.

Parke, Davis & Co.

Ransom, W., & Son

FACTORY, &c., SITES

Great Western Railway

North-Eastern Railway

FEEDING BOTTLES

Bush, Henry W., & Co., Ltd.

FERTILIZERS

With's Mannre Co.

FILTER PAPER

Burgoyne, Burbidges & Co.

FILTERS

Berkefeld Filter Co., Ltd.

FLESH GLOVES, STRAPS, &c.

Reuter, R. J.

Solport Bros.

FLYCATCHERS

Alabastine Co. (British), Ltd.

Barraclough, J., & Co.

Brook, Parker & Co., Ltd.

Ford, Shapland & Co.

Frowein, C.

Kay Bros., Ltd.

Smith, Jno. H., & Co.

Strong, Christy.

Tunbridge & Wright

FOODS, INVALID, ETC.

Allen & Hanbury's, Ltd.

Bell (John), Hills & Lucas, Ltd.

Benger's Food, Ltd.

Brand & Co., Ltd.

Burgoyne, Burbidges & Co.

Cox, Arthur H., & Co., Ltd.

Deans, Logan & Co., Ltd.

Fairchild Bros. & Foster

Horlick's Malted Milk Co.

"Lemco and Oxo"

Lofthouse & Saltmer, Ltd.

Menley & James, Ltd.

Natural Food Co., Ltd.

Neave, Josiah R., & Co.

Southall Bros. & Barloway, Ltd.

Willows, Francis, B. & T.

Woolley, Jas. Sons & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GLYCERIN

Price's Patent Candle Co., Ltd.

GLYCEROPHOSPHATES

Merck, E.

Pointet & Girard

Reitmeyer & Co.

GREASE REMOVER

Perkin & Co., Ltd.

GRINDERS, DRUG, &c.

Allen, Stafford & Sons, Ltd.

Goodall, Backhouse & Co.

Willows, Francis, B. & T.

Wright, Layman & Umney, Ltd.

GUMS

Fink, F., & Co.

Kidston, W. M., & Co.

HAIR DYES

Harker, Stagg & Morgan, Ltd.

HAR PREPARATIONS

Aironal Ltd.

Anglo-Continental Trading Co.

Blackie, Robert

Edwards' "Harlene" Co.

Harrison, G. W.

John Strange Winter

Oshorne, Garrett & Co.

Robtare's Anreoline

Saunders, J. Tozean, Ltd.

Warner Oliver, Ltd.

Crewe & Co.

HAT CLEANERS

Christy, Thos., & Co.

Senier, A., & Co.

HAT DYES

Knox Walker, J., & Co.

Whitaker & Co.

HEARING APPARATUS

Stoltz Electrophone Co., Ltd.

HERBS

Brook, Parker & Co., Ltd.

Potter & Clarke, Ltd.

Ransom, W., & Son

HOMOEOPATHIC MEDICINE

Ashton & Parsons, Ltd.

Keene & Ashwell, Ltd.

HOTELS

Esmond Hotel

Kingsley Hotel

Thackeray Hotel

HYDROGEN PEROXIDE

May & Baker, Ltd.

Sanitas Co., Ltd.

Tyler, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.

Tyler, T., & Co., Ltd.

ICHTHYOL

Iohthyol Gesellschaft

INHALERS

Ozo Medicated Air Co., Ltd.

INSECTICIDES

Christy, T., & Co.

Nyto Preparations, Ltd.

Tomlinson & Hayward, Ltd.

INSECT PENCILS

Chaline & Co.

INSECT POWDER

Keating, Thomas

INSTEP SUPPORTS

Pond, H. J.

Soholl Manfg. Co.

IRISH MOSS

Cumming, J. W.

JARS AND POTS

British & Foreign Bottle Co.

Maw, S., Son & Sons

Melin, C., & Co.

Poths, H., & Co.

Reuter, R. J.

Stipendum Stopper Co.

JUJUBES

Guest, Thos., & Co.

Potter & Clarke Ltd.

JUNKET POWDER

Armour & Co., Ltd.

LANOLINE

Burroughs Wellcome & Co.

LARD

Ewen, J., & Sons

LAVENDER WATER

Bush, W. J., & Co., Ltd.

Maddock & Co.

Rivers, Hill & Co., Ltd.

LEATHER BLACK

Whitaker & Co.

LECITHIN

Chem. Works "Victoria" Williams, G. M., & Co., Ltd.

LEMONADE POWDER

Greenwich Lemonade Co.

LETTER FILES

Ecles, Walker & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb, Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

LINSEED, CRUSHED, &c.

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.

Maw, S., Son & Sons

Robinson & Sons, Ltd.

Taylor, W. J.

Vernon & Co., Ltd.

LIQUORS, CONC., &c.

Fletchett, Fletcher & Co.

Hewlett, C. J., & Son

LIQUORICE JUICE

Apollo

Evans Sons Lescher & Webb, Ltd.

Jackson, E. E.

Mumford, G. S., & Sons

Solazzi

LITHIA SALTS

British Drug Houses, Ltd., The Macfarlan, J. F., & Co.

May & Baker, Ltd.

LOOFAHS

Internal Sponge Importers, Ltd. Solport Bros.

Swales, Thomas

LOZENGES

Ayrton, Saunders & Co., Ltd.

Guest, Thos., & Co.

Jackson, E. E.

Potter & Clarke, Ltd.

Raimes & Co.

Standard Tablet & Pill Co., Ltd.

Warrick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.

Bennett, Sons & Shears, Ltd.

Comet Chemical Co., Ltd.

Gardiner, Wm., & Sons, Ltd.

Lister, R. A., & Co., Ltd.

Findar, J. W., & Co.

Stokes, F. J., Machine Co.

MAGNESIA AND ITS PREPS.

British Drug Houses, Ltd., The Corby, Stacey & Co., Ltd.

Henry, T. & W.

Howard & Sons, Ltd.

May & Baker, Ltd.

Phillips, Chas. H., Chem. Co.

Washington Chemical Co., Ltd.

MALT EXTRACT & PREPS.

British Diamalt Co., Ltd.

British Drug Houses, Ltd., The Burroughs Wellcome & Co.

Davies, Sons & Co.

Evans Sons Lescher & Webb, Ltd.

Paine & Co., Ltd.

MARKING INK

John Bond ("Crystal Palace")

MEAT EXTRACTS

Armour & Co., Ltd.

Brand & Co., Ltd.

"Lemco and Oxo"

Tooth's Extract of Meat Co.

MEDICINE CHESTS

Bush, Henry W., & Co., Ltd.

MERCURIALS

Alliance Drug & Chem. Co.

Howard & Sons, Ltd.

May & Baker, Ltd.

Tyler, T., & Co., Ltd.

METAL GOODS

Betta & Co., Ltd.

METHYLATED SPIRIT

Burrough, J., Ltd.

Macnair, A., & Co.

Preston's Liverpool Distillery

Randall & Son, Ltd.

MICROSCOPES

Raphael's, Ltd.

MILK POWDER

Trufood, Ltd.

West Surrey Central Dairy Co., Ltd.

MINERAL WATERS, SALTS

Apollinaris Co., Ltd.

Hughes, E., Griffiths

Ingram & Royle, Ltd.

Violy (State Springs)

Vittel

MIXERS AND SIFTERS

Comet Chemical Co., Ltd.

Gardiner, Wm. & Sons (Gloucester), Ltd.

MUSTARD PLASTER

Rueff, Julius

NICOTINE

Windschuegl, C., & Co.

NIGHT-LIGHTS

Prescott & Co.

OILS, MINERAL, FATTY

Allen, Stafford & Sons, Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

MUSTARD PLASTER

Rueff, Julius

NICOTINE

Windschuegl, C., & Co.

NIGHT-LIGHTS

Prescott & Co.

OILS, MINERAL, FATTY

Allen, Stafford & Sons, Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

MUSTARD PLASTER

Rueff, Julius

NICOTINE

Windschuegl, C., & Co.

NIGHT-LIGHTS

Prescott & Co.

OILS, MINERAL, FATTY

Allen, Stafford & Sons, Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

MUSTARD PLASTER

Rueff, Julius

NICOTINE

Windschuegl, C., & Co.

NIGHT-LIGHTS

Prescott & Co.

OILS, MINERAL, FATTY

Allen, Stafford & Sons, Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

MUSTARD PLASTER

Rueff, Julius

NICOTINE

PERFUMES

Allen & Hanburys, Ltd.
Bass Bros. & Stevenson, Ltd.
Barnets Perfumery, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Crown Perfumery Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd
Gambles, J. C., & Co.
Halifor Co.
John Strange Winter
Lescol Perfumery Co.
McCracken, J. & R.
Priohard & Constance, Ltd.
Quelch, H. C., & Co.
Rivers Hill & Co., Ltd.
Warrick Bros.
West, T., & Son
Wolff, F., & Son

PESSARIES (SOLUBLE)

Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Manfg. Co.
Gardner & Andrew
Schiemann's Oil & Ceresine Co.
Stern, Sonneborn Oil Co., Ltd.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
Griffith, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chls.), Ltd
Reitmeyer & Co.

PHOTO. GOODS

Ayrton Sander & Co., Ltd.
Barclay & Sons, Ltd.
Barroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd
Express Developing Co.
Ilford Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.

PHOTO. POSTCARDS, ETC

Rajar, Ltd.

PILL MAKERS

Allen & Hanburys, Ltd.
Asoe, O. F., & Co.
British Drug Houses, Ltd., The
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Lloyd, T. Howard, & Co.
Standard Tablet & Pill Co., Ltd
Ward Manfg. Co.

PLASTERS

Alcock Manfg. Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Galen Mfg. Co., Ltd.
Leslie, Ltd.

PLEATED PAPER

Darter, Wilkinson & Co
Smith Bros. & Co.

POLISHES (VARIOUS)

Bradley & Bourdas
Oakey, J., & Sons, Ltd.

POSTAL BOXES

Robinson & Sons, Ltd.

POSTERS

Ford, Shapland & Co.

POWDER PAPER

Pharm. Ind. Ges. Offenbach
Pritchard & Constance, Ltd.

PRESS CUTTINGS

Central News

PRINTERS

Clyde Press
Ford, Shapland & Co.
Harrison & Waide
Sattley & Silverlock, Ltd.
Townsend, J., & Sons

PRINTING PRESS

Exelsior Printers' Supply Co.,
Paragon Press Co.

PROPRIETARY ARTICLES

Anglo-Indian Drug & Chem. Co.
Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Beecham, T.
Bow's Liniment, Ltd.
British Drug Houses, Ltd., The
Burgess, E.
Cadinol Co.

PROPRIETARY ARTS.—cont.

Carnick, G. W., Co
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Curling, Geo., Wyman & Co.
Daisy, Ltd.
Danysz Virns, Ltd.
Davenport, J. T., Ltd.
Demuth, R.
Dialon Co.
Dunoon, Flockhart & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd
Faulding, F. H., & Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co.
Flood, W. H.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hommel's (Dr.) Haematogen
Hughes, E. Griffiths
Ichthyol Gesellschaft
International Laboratories
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's Phosphodyne
"Lemco and Oxo"
Lofthouse & Saltmer
Mackenzie's Cure Depot
Martindale, W.
May, Roberts & Co., Ltd.
Mer-Syren (1911), Synd., Ltd.
Morrison, J. B.
Newbery, F., & Sons, Ltd.
Oppenheimer, Son & Co., Ltd.
Overbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Poulton Co.
Primer, J.
Purdue, Ltd.
Regulin Syndicate, Ltd.
Reid, E. J., & Co.
Resinol Chemical Co.
Riedel, J. D., Co.
Rubenstein, Madame H.
Rubwel Co.
Sangers'
Sangol, Ltd.
Schimmel & Co.
Scott & Browne, Ltd.
Smith, Lewis
Squire & Sons
Standard Tablet & Pill Co., Ltd.
Tefras Specialty Co., Ltd.
Thermogene Co., Ltd.
Thompson & Capper
Tunbridge & Wright
Ucalites
United Drng Co.
Urillaco Syndicate
Vajda Pastilles
Wait-and-See Proprietary
Warner, H. H., & Co., Ltd.
Warner Oliver, Ltd.
Warrick Brothers
Waterbury Chemical Co.
White, A. J., Ltd.
Wilcox, Jozean, & Co.
Williams, G. M., & Co., Ltd.
Woodward, W., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

PUFFS

Solport Bros.

PUMPS

Berkfeld Filter Co., Ltd.

QUININE AND SALTS

Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Brunswick Quinine Factory
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RADIO-ACTIVE MINERALS

Harrington Bros., Ltd.

RAZORS

Hovenden, R., & Sons, Ltd.

RENNET

Fulwood & Bland
Oldfield, Pattinson & Co.

RESPIRATORS

Zimmer & Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.
Macfarlan, J. F., & Co.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RUBBER GOODS

Berliner, Arthur
Burke, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Surgical Hosiery Co. Ltd.
Tompkins, James, Ltd.
Warne, W., & Co., Ltd.
X. L. Rubber Co.

RUBBER SPONGES

Märkt & Co. (London), Ltd.
Richford, O. D.

RUBBER STAMPS

Richford, O. D.

SACCHARIN

Saccharin Corporation, Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, O. W.

SCALE PREPARATIONS

Morson, T., & Son

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.

Perken, Son & Co., Ltd.

SEALS ADVERTISING

Dennis & Lindlam

SEA SALT

Tidman & Son, Ltd.

SEEDS

Potter & Clarke, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.

Burroughs Wellcome & Co.

Evans Sons Lescher & Webb, Ltd

Parke, Davis & Co.

Schimmel & Co.

Wilcox, Jozean, & Co.

SHAMPOO POWDER

Pritchard & Constauo, Ltd.

Nyto Preparations, Ltd.

Softo Manufacturing Co.

SHARES

McAdam & Tockness

SHEEP DIPS

Burt, Boulton & Haywood

Tomlinson & Hayward, Ltd.

SHEEP MEDICINES

Pettifer, Stephen, & Sons

SEHELLAC

Kershaw, H. E., Ltd.

SHOP FITTING

Ayrton-Graham, Ltd.

Bowling & Son

Cook, George

Evans Sons Lescher & Webb, Ltd

Grant, D.

Josephs, Philip, & Sons, Ltd.

Londen & Co. Min. Co.

Maw, S., Son & Sons

Parnall & Sons, Ltd.

Rudduck & Co.

Sangers'

SOAP, TOILET, &c.

Allen & Hanburys, Ltd.

Armour & Co., Ltd.

Bell, John Hills & Lucas, Ltd.

Bronnley, H., & Co., Ltd.

Calvert, F. C., & Co.

Cheesbrough Manfg. Co.

Christy, Thos., & Co.

Cook, E., & Co., Ltd.

Cyonia Co., Ltd.

Erasmo Co., Ltd.

Eucryl, Ltd.

Evans Sons Lescher & Webb, Ltd

Fulford, C. E., Ltd.

Gibbs, D. & W., Ltd.

Harrison, G. W.

Hendrie & Co.

Hovenden, R., & Sons, Ltd.

John Strange Winter

Lescol Perfumery Co.

Oakey, J., & Son, Ltd.

Olival (Anglo-Spanish Soap Co.)

Pears, A. & F., Ltd.

Peat Products (Sphagnol), Ltd.

Price's Patent Candle Co.

Resinol Chemical Co.

Sanoper Agency

Wolf, F., & Sohn

Wright, Layman & Umney, Ltd.

SHOULDER STRAPS

Wood, Vincent

SODA FOUNTAINS

Fingel & Co.

SODIUM BICARBONATE

Branner, Mond & Co., Ltd.

Electrolytic Alkali Co., Ltd.

Howards & Sons, Ltd.

Mumford, G. S., & Sons

SOOTHERS

Newbery, F., & Sons, Ltd.

Sohutze, F., & Co., Ltd.

SPECTACLES

Bottwright & Grey

Darton, F., & Co.

Maw, S., Son & Sons

Nitsche & Gunther Opt. Co., Ltd.

Raphael's, Ltd.

SPICES

Goodall, Backhouse & Co.

SPirit OF WINE

Burrough, J., Ltd.

Preston's Liverpool Distillery

SPONGES

Internal Sponge Importers, Ltd.

Maw, S., Son & Sons

Sangers'

SPRAYS

Burge, Warren & Ridgley, Ltd.

Hovenden, R., & Sons, Ltd.

Maw, S., Son & Sons

Parke, Davis & Co.

Sangers'

SPRINKLER CORKS

Batts & Co., Ltd.

SPRUCE BEER

Hobson, Joseph, & Son

STARCH

Mumford, G. S., & Sons

STILLS

Bennett, Sons & Shears Ltd.

Brown & Son (Automatic)

Stokes, F. J., Machine Co.

STOPPERS

Stipendum Stopper Co.

SUPPOSITORIES

Anglo-Continental Chem. Works

Cox, Arthur H., & Co., Ltd.

Peat Products (Sphagnol), Ltd.

SURGICAL APPLIANCES AND DRESSINGS

Allen & Hanbury's, Ltd.

Bailey, W. H., & Son

Berliner, Arthur

Burroughs Wellcome & Co.

Bush, W. H., & Co., Ltd.

Dalmas, A. de St., & Co.

Davis, John Morgan, & Sons

Galen Manfg. Co., Ltd.

Gimber, W., & Son

Haynes, G., & Co.

Haywood, J. H., Ltd.

Liverpool Lint Co.

Macfarlan, J. F., & Co.

Martindale, W.

Mason Bros. & Chapman

Maw S., Son & Sons

Quelch, H. C., & Co.

Reynolds & Branson, Ltd.

Seabury & Johnson

Surgical Hosiery Co. Ltd.

Taylor, W. G.

Warne, W., & Co., Ltd.

Wood, Vincent

Woolley, J., Sons & Co., Ltd.

SWIMMING FLOATS

May, Roberts & Co., Ltd.

Schutze, F., & Co., Ltd.

SYPHONS

Barnett & Foster

Camwall, Ltd.

Idris & Co., Ltd.

Sharmans Pat. Syphon Co., Ltd.

SYRUPS, MEDICINAL

Fellows' Med. Mnf. Co.

TABLE WATERS

Burrow, W. & J.

TABLET MACHINERY

Allen & Hanbury's, Ltd.

Bennett, Sons & Shears, Ltd.

Thompson & Capper

TABLETS, COMPRESSED

Allen & Hanbrys, Ltd.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncsan Flockhart & Co.
Evans Sons Lescher & Webb, Ltd
Johnson & Sons (Mfg. Chts.)
Lloyd, T. Howard, & Co.
Martindale, W.
Parke, Davis & Co.
Standard Table & Pill Co., Ltd.
Thompson & Capper
Ward Manfg. Co.
Wiggleworth & Co.

"TABLOID" PRODUCTS

Barrongs Wellcome & Co.

TARTARIC ACID

British Drug Houses, Ltd., The
Boehringer, C. H., & Sohn

TEA (TANNIN-LESS)

Gummer's Typhoo-Tea, Ltd.

TELESCOPES

Darton, F., & Co.

TIN BOX MAKERS

Goodall, Backhouse & Co.
Hunter, Boorne & Stevens
Shirley Bros., Ltd.

TINCTURES, CONCENT.

Stevenson, H. E., & Co.

TOBACCO

Singleton & Cole, Ltd.

TOILET ARTICLES

Allen & Hanbrys, Ltd.
Armour & Co., Ltd.
Ayrton, Sanderson & Co., Ltd.
Beetham, M., & Son
Blackie, Robert
Bronley, H., & Co., Ltd.
Burrongs Wellcome & Co.
Chesebrough Mfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd.

TOILET ARTICLES—cont.

Aironal Ltd.
Crown Perfumery Co.
Daisy Ltd.
Dubois & Co.
Edwards' Harlene Co.
Erasmio Co., Ltd.
Eurol, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Gannett Trading Co.
Gibbs, D. & W., Ltd.
Halidor Co.
Harker, Stagg & Morgan, Ltd.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lees, S. S., & Co.
Lloyd, A., & Co.
Lloyd, A. S. (Hovenden)
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newberry, F., & Sons, Ltd.
Odol Chemical Works
Osborne, Garrett & Co.
Papier Poudré, Ltd
Parke, Davis & Co.
Prichard & Constance, Ltd.
Quelch, H. C., & Co.
Rowland, A., & Sons
Sangers'
Sanderson, J. Tozeau, Ltd.
Solport Bros.
Standard Tablet & Pill Co., Ltd.
To-Kalon Mfg. Co., Ltd.
Warner Oliver, Ltd.
Wholesale Chemical Works
Woolley, J., Sons & Co., Ltd.

TOILET PAPER

Ayrton, Sanderson & Co., Ltd.
Burgoine, Brabrides & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

TOOTH STOPPING

Stevens, P. A.

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Barker, R. W.
Ford, Shapland & Co.

TURNED WOOD BOXES

Rogers & Co.

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Bailey, W. H., & Son
Coles, William, & Co.
Davis, John Morgan, & Sons
Ellis, Son & Parhamore
Haywood, J. H., Ltd
Maw, S., Son & Sons
Schmitz, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

TYPEWRITERS

Yost Typewriter Co., Ltd.

VACUUM PANS

Bennett, Sons & Shears, Ltd.
Stokes, F. J., Machine Co.

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Baker, P. O.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

VAPORIZERS

Evans Sons Lescher & Webb, Ltd
Sanitas Co., Ltd

VASELINE

Chesebrough Mfg. Co.

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Dansyz Virus, Ltd
Evans Sons Lescher & Webb, Ltd
Extermino Chemical Co.
Farmer, F., & Co.
Harley, Thomas
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VETERINARY INSTRUMENTS

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VETERINARY REMEDIES

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Day & Sons (Crewe), Ltd.
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Pettifer, Stephen, & Sons
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Tomlinson & Hayward, Ltd.
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Robinson, B., & Co., Ltd.

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Kidston, W. M., & Co.
Soehliemann's Oil & Ceresine Oil

WEED-KILLERS

Burt, Boniton & Haywood, Ltd
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WINDOW TICKETS

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Ayton, Sanderson & Co., Ltd.
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Deans, Logan & Co., Ltd.
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Hobson, Joseph, & Son
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WRIST STRAPS

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Hanbuck, T., & Son, Ltd.
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REGISTERED "IALINE" REGISTERED

ANTISEPTIC OINTMENT

FOR THE
TREATMENT OF
WOUNDS, BURNS, SORES,
ERUPTIONS, SKIN DISEASES, &c.

PACKED IN WHITE JARS WITH RED CAPS.

TWO SIZES—7½d. & 1½d. EACH RETAIL.

ATTRACTIVE SHOWCARDS FREE (size 9½ in. by 6½ in.).

WHOLESALE PRICES ON APPLICATION.

ALSO SPECIAL TRADE QUOTATIONS FOR ALL KINDS OF

DISINFECTANTS.

BURT, BOULTON & HAYWOOD, LTD., 64 Cannon St., London, E.C.

SPONGE BAGS.

THE "CLIMAX" BAG.

Proofed on both sides.

The most durable Sponge Bag on the market.



902.

Nos.—	1	2	3	4
8/6	10/-	12/-	15/-	doz.
Nos.—	5	6	7	8
18/-	21/-	24/-	27/-	doz.

The "Quaker," Grey.
Proofed both sides.

Nos.—	1	2	3	4
7/6	8/9	10/-	11/9	doz.
Nos.—	5	6	7	8
13/3	14/9	18/-	22/-	doz.

Toogood's Super Quality Check, Silk Bindings.

Made from extra heavy sheeting.

Nos.—	1	2	3	4
5/6	6/6	8/3	10/3	doz.
Nos.—	5	6	7	8
11/3	14/-	18/-	20/-	doz.

Toogood's Special Quality Check.

Nos.—	1	2	3	4
4/-	4/6	5/6	6/9	doz.
Nos.—	5	6	7	8
8/-	10/-	12/-	14/-	doz.

Dice Check, No. 2140.

Nos.—	1	2	3	4	5	6
4/-	4/6	5/3	6/6	7/-	9/-	doz.

The "Empress"
Best Check.

Nos.—	2	3	4
7/6	8/6	10/6	doz.
Nos.—	5	5	
12/6	15/-		doz.

The "Empress."
Proofed both sides.

Nos.—	2	3	4
11/-	13/-	16/-	doz.
Nos.—	5	6	
19/6	23/-		doz.



2260.

WILLIAM TOOGOOD, Ltd.
77 SOUTHWARK STREET, LONDON, S.E.

IMPORTANT ANNOUNCEMENT TO CHEMISTS.

re SARGOL.

The managers of the Sargol Company wish to express their sincere thanks to the many Chemists who have so readily co-operated with them in introducing Sargol to the public.

Since turning over our business to the Chemists instead of selling direct to the public, as we have been doing during the past two years, we find that in the three months that the Chemists have had the exclusive sale of Sargol that the sales have increased over 75% of what they were during the time we were selling direct to the public. Naturally we are greatly pleased, and we wish to assure every Chemist that no expense shall be spared in advertising Sargol, so that it shall become one of the most profitable articles sold over the chemist's counter.

We have an extra amount of advertising ordered for July and August. The copy has been produced by one of the highest-paid advertisement writers in the world, and has been favourably commented on by several of the leading Advertising Journals. One of the series of these advertisements appears on the opposite page, and our friends predict that these advertisements will increase our sales over 100% during the next ninety days.

We have also just received from our printers a new lot of handsome showcards and booklets for counter distribution, which were designed by the ERWOOD ADVERTISING AGENCY, and which are considered to be exceptionally effective. They are now ready for distribution, and any chemist may have a supply sent him, carriage paid, free of charge on receipt of postcard asking for same.

PRICES OF SARGOL:

4/6 size	...	43/3 per doz. net.
2/6 size	...	24/- per doz. net.

To the chemists who have not stocked Sargol as yet we wish to urge you to do so at once. Sargol means extra money to you, it being the only well-advertised preparation on the market for making thin folks fat. All the large stores and progressive chemists have stocked Sargol—better fall in line and order your supply at once. Any wholesale house can supply you, or you can obtain it direct from us at the above prices.

While you delay the other fellow is reaping a harvest at your expense.

A Sargol customer is the same as any other customer, only more enthusiastic. If you cannot supply him with Sargol he is more disappointed and more dissatisfied than he would be had you failed to supply him with another article he might have asked for. On the other hand, if you do supply him you have obtained a satisfied customer, as Sargol does the work and does it quickly.

Therefore if you have not stocked Sargol let us urge you again to do so at once.

Don't handicap your business by telling people you do not keep it.

Drop us a line—NOW, TO-DAY—asking for a supply of our new showcards and booklets, place them on your counter, and when your customers know you are handling Sargol (the only guaranteed preparation for making thin folks plump, popular and attractive) see how quickly your stock diminishes, and at the end of a week you will be astonished at the extra profit you have made from its sale.

Again thanking the many Chemists who have so heartily co-operated with us in placing Sargol before the public,

We are, yours faithfully,

THE SARGOL COMPANY,
124 HOLBORN (Dept. 794), LONDON, E.C.

NOTE.—Since January the 1st, one Chemist alone, by attractive window displays aided by our advertisements, has sold over £800 worth of Sargol.

*One of a series of fine SARGOL advertisements now appearing in the Daily Press.
(Written and designed by THE ERWOOD ADVERTISING AGENCY, 30 Fleet Street, London, E.C.)*

"There goes a Handsome Couple!"



THEY are contented, capable and resourceful, because their bodies are well nourished—clothed with the right amount of solid, healthy flesh.

They are not thin, nervous and lacking in vital force; they are not wanting in that substantial backing that can only come from a physique fortified for any task requiring confidence and reserve strength.

There is a positive adjustment of that interdependence of good mind and good body.

The beauty of perfect health and perfect physical development is irresistibly attractive—everybody admires it, many envy it and all strive for it.

Wouldn't you like to be every inch a man or a woman—to have the steady nerves and the faculty of accomplishment associated with normal weight and physical charm?

Wouldn't you like to have a form of which you could justly feel proud? All this is possible. No matter how thin you may be or how much you are lacking in nerve force and vitality, Sargol, the most scientific and highly concentrated Flesh Food ever devised, will make you nice and plump, and give you the strong nerves which makes life worth living.

Sargol is the new regenerative force for thin, nervous people. Sargol is a food—please mark this carefully—not a drug. It is a food abnormally rich in the elements required for nourishing the blood, building tissue and strengthening the nerves. It acts in much the same manner as the nutritive elements in regular foods, but more effectively owing to its concentrated richness. The object of this advertisement is to introduce it to your attention, to acquaint you with its merits so that you may yourself make a demonstration and do a service to others by calling it to their attention.

Undoubtedly you have often read our announcements in the papers. You have thought perhaps you would give Sargol a trial, but you have put it off. Do so no longer. Stop and consider what it would mean to you to have a plump, well-developed figure, strong nerves, and a body surging with throbbing life and vitality. You can have all this if you will but make the start. And the start will cost you nothing. Simply send us your name and address to-day and we will send you a generous supply FREE, that will prove every claim we have made, then when you have seen with your own eyes what it will do and have felt renewed strength coming to you day by day, get a further supply from your chemist, and when your friends commence to compliment you on how well and fit you are feeling, don't forget to tell them that SARGOL did it.

SARGOL is sold in two sizes:

Trial package, 2/6. Large size package, 4/6.

THE SARGOL COMPANY (Dept. 794) 124 Holborn, London, E.C.

Famous physicians
and other well-known
people endorse Sargol.
Just scan the letters
herewith.

London, Feb., 1911.
At the time I first heard
of Sargol, I was much run
down from the constant
daily and nightly strain
attendant upon my arduous
professional work. I have
taken Sargol but a month
and already my many
friends have marvelled at
the splendid change that
has been wrought in my
appearance.

Very sincerely,
EDNA ELLSMERE.

Sample-Sargol.
Analysis No. 7691.
Recd. March 7, 1909.

After an exhaustive analysis of samples I found they contained no Morphine, Opium, Cocaine, Mercury, nor any Narcotic or Poisonous ingredients. In my opinion Sargol contains the best elements to accomplish what is claimed for it. Sargol is a superior preparation. I recommend Sargol as a safe Vitalizer and Flesh builder.

Respectfully submitted,
DR. E. ARMANT,
M.D., ScD., Ph.D.,
Consulting Chemist, Diploma from l'Ecole de
Medicine, Paris.

BARCLAY & SONS, Ltd.,

Telephones: City 640, 641, 642, 643.

Telegrams "YALCRAB LONDON."

MANUFACTURING and WHOLESALE CHEMISTS.

Druggists' Sundries. Wines (Medicated and otherwise—List sent on application). Packed Pharmaceuticals. Perfumes and Essential Oils. Patent Medicines. Toilet Preparations. Prepared Foods. Photographic Plates, Papers, &c.

ORDERS DESPATCHED WITH THE GREATEST PROMPTITUDE.

95 Farringdon St., LONDON, E.C.

THE "HALIFLOR" CO.

DOBERAN, PARIS, & LONDON.

NATURAL FLORAL-ESSENCES

FOR MAKING PERFUMES, BAY RUM, EAU DE QUININE, EAU DE TOILET.
FLORAL ESSENCES WITHOUT ALCOHOL (One Drop Perfumes).
FLORAL ESSENCES, SOLUBLE IN WATER (For Alkaline Solutions).
PERFUME IN BULK, for Home and Export.
HALIFLOR FRECKLE CREAM (for the Removal of Freckles).
HALIFLOR CROWN PRINCESS VIOLET (largely Advertised).

LONDON HOUSE: HERTZ & COMPANY, 9 MINCING LANE, E.C.

**BARNETTS
PERFUMES & COLD CREAM
STAND UNRIVALLED.**

Samples and Prices (in bulk) on Application.

BARNETTS PERFUMERY LTD.,

126/128 Bristol Street, BIRMINGHAM.

**OKELL'S ORIGINAL
MONA BOUQUET.**

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle,
ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, STRETFORD, MANCHESTER.

VARALDIS'

(ALL NATURAL FLORAL PRODUCTIONS).

ESSENTIAL OILS PERFUMERY EXTRACTS

	IN BOND.	DUTY PAID.
No. 24 Triple	3/7 per lb.	6/8 per lb.
No. 36 Extra fort	7/3 " "	10/4 " "
No. 72 Concentre	12/8 " "	15/9 " "

CASTOR OIL. OLIVE OIL. FLORAL WATERS.

QUALITY AND PRICE BEAT all Competitors.

LONDON HOUSE: W. BONSER HAYWARD, 17 Lawrence Lane, London, E.C.

HENRY C. QUELCH & CO.,

4 LUDGATE SQUARE, LONDON, E.C.

are Agents for

BOURJOIS'

Java Powder, 1 doz., 7/- ; 6 doz., 6/9 ; 12 doz., 6/6.
Eye-Brow Pencils,
No. 35, 1/9 doz. ; No. 153, 2/6 doz.
Rouges, No. 117, 2/3 doz. ; No. 118, 3/3 doz. ;
No. 104, 4/6 doz.
Brillantine, No. 617, 7/6 doz., etc., etc.

SYRACUSE & J.P. BANDAGES.

No. 10, Cotton, 8/- doz.	No. 45, J.P., 8/4 doz.
" 16 " 16/- "	Cotton.
" 21 " 20/- "	
" 26, Silk, 30/- "	No. 53, J.P., 12/6 doz.
" 31 " 36/- "	Silk.
" 32 " 40/- "	
" 34 " 53/- "	

PAPIER POUDRE.

3d. size, 2/- doz. — 4½d. size, 2/6 doz.
6d. " 3/9 " 1/- " 7/6 "

POPPAEA ROUGE.

3d. size, 2/- doz. 6d. size, 4/- doz.
1/- size, 8/- doz.

TETLOW'S PREPARATIONS.

Swadown Face Powder	... ...	4/2 doz.
	Bonus of 2 doz. with each gross.	
Gossamer Powder	... ...	7/6 doz.
Cold Cream	... ...	8/9 "
Blue Moon Perfume	... ...	13/6 "

DUN'S CAPSULES.

	doz.		doz.
Bland's	5/-	Male Fern	6/6
Cascara	6/6	Quinine, 3 grs.	6/6
Castor Oil	5/6	" 5	6/6
Cod Liver Oil	6/6	Santal, 5 min.	16/-
Copaiba	8/-	" 10 "	26/-
		Etc., etc.	

" NEAR KID," FOR CAPPING, 3/9 doz.

PETAL DUST,

3d. size, 1/10 doz. ; 6d. size, 3/6 doz.

TOP NOT PREPARATIONS.

1d. Soap, 8/- gross ; 6d. size, 4/6 doz.
3d. Ointment, 2/9 doz. 6d. Dressing, 4/6 doz.

ETC., ETC., ETC.

SEND YOUR ORDERS TO ABOVE ADDRESS.

The number of dentifrices is myriad, their names are legion.

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

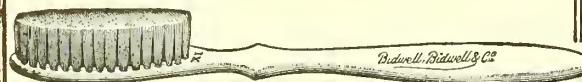
MCKESSON & ROBBINS, New York, U.S.A., Manufacturers.

BRITISH DEPOT—G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C.

SUPPORT HOME INDUSTRIES.

(EST. 1839.)

BIDWELLS,
AXMINSTER,
DEVON :: ENGLAND.

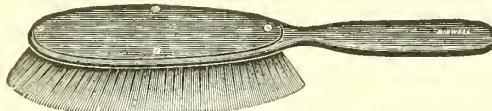


Gold Medal Awarded

NO LOOSE HAIRS IN OUR
"TOOTH BRUSHES."



THE "GRIP" NAIL BRUSH.



FINE QUALITY HAIR BRUSHES.

BIDWELL, BIDWELL & CO., LTD.

Estd. 1777.



Inc'd. 1900.

Diary, 1912, pp. 74, 75.
Winter Issue, 1912, pp. 48 49.

BUY

KENT'S
BRUSHES.

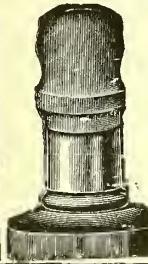
The Ideal Dentifrice
JOHN STRANGE WINTER'S
DENTAL
CREAM

Retail 1/6; Wholesale 12/- per doz.

Write for new Show Card, Price List, and Booklet to
"JOHN STRANGE WINTER,"
YORK HOUSE, HURLINGHAM, LONDON, S.W.

Telephone No.: 742 Putney.
Wholesale Agents: BURGOYNE, BURBIDGES & CO.

**NOTA
BENE.** "SEMREH"
SELF-FIXERS
ARE
Germ-proof



as well as Air-proof, Spirit-proof, and
Dust-proof. This can be truly said
of no other Bottle Cappings.

Fully Descriptive Booklet free.

The Viscose Development Co., Ltd.,
Pembroke Road, BROMLEY, Kent.

H. E. KERSHAW, Ltd.

131 Curtain Rd., LONDON, E.C.

IMPORTERS OF

SHELLAC

of all kinds.

Manufacturers of

WHITE SHELLAC

WE SHALL ESTEEM THE FAVOUR
OF YOUR INQUIRIES FOR:-

NATURAL
FLOWER OILS,
ABSOLUTE, LIQUID,
CONCRETE, (SOLID.)

ARTIFICIAL
AND
SYNTHETIC
PERFUMES.

ESSENTIAL
OILS.

Rose.
Orange flowers.
Jasmin.
Tuberose.
Cassie.
Reseda.
Broom.
Violet.

Benzyl Acetate.
Cheiranthine.
Geranium Artificial.
Musk Artificial (all qualities).
Phenylethylic Alcohol.
Artificial Violet 100%
(all qualities).

Almond. Peppermint
Bay. (all qualities).
Clove. Petit Grain.
Geranium (all qualities). Rosemary.
Lavender. Thyme.
(all qualities). Wintergreen.
Neroli. Sassafras.
Lemon. Bergamot.

SPECIALITIES.

Oil Oak Moss colourless. Neroli, H.A.
Oil Violet leaves colourless. Orris Root concrete.

Price Lists and Samples on Application.
CHARLES ZIMMERMANN & CO.
9-10 St. Mary-at-Hill, LONDON, E.C.

HAVE YOU TRIED OUR . .

"New Process"
OTTO OF ROSE

Distilled under vacuo, eliminating inodorous
:: Stearoptine to a large extent ::

WRITE FOR QUOTATIONS.

THE LONDON ESSENCE CO.,
George St., Camberwell Green, LONDON, S.E.

EUCRYL TOOTH POWDER

YIELDS 100% PROFIT.

The Proprietors wish to call the attention of their numerous friends to the fact that the Cent. per Cent. Bonus Terms apply to the 1/- (Flat or Canister shape) as well as the 6d. tins.

3 doz. 1/- tins at 7/- per doz.	... Cost	<u>£1 1 0</u>
3½ doz. (including free bonus)	... Sell for	<u>2 2 0</u>
	Profit	<u>£1 1 0</u>

PROPRIETORS:

EUCRYL LTD., 61/63 LANT ST., SOUTHWARK, S.E.



NO
GLOSS
B

In bottles, 6d. each, in separate neat cartons, with suitable brush. These Dyes are a distinct invention, dying the straw without an objectionable varnished appearance, and producing the effect of new goods. On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials:

WHITAKER & CO. COLOUR WORKS, KENDAL, ENG.

London Depot: 8 MILK STREET, CHEAPSIDE, E.C.
SPECIALISTS IN VARNISHES, STAINS, DYES, &c. EST. 1878.
Telegraphic Address "Dullette" Kendal

NO
POLISH

You can supply your Customers with high-class Toilet Preparations at extremely low prices, and get a good profit yourself.

LARGE BUYERS and SOLE AGENTS for our Specialities wanted everywhere.

Face Powder, best quality and special appearance; Tooth Paste in GLASS, ALUMINIUM-COVERED JARS; SHAVING STICKS IN FANCY DECORATED TINS; Tooth Powder, superior and cheaper to any other POMADE HONGROISE, five sorts and in all prices; COSMETIQUES for fixing the Hair, six qualities and sizes; "ELSO" FACE MASSAGE CREAM, extra fine quality; BRILLIANTINE IN DIFFERENT SIZES, qualities, and prices, ALSO WITH BUYERS' NAMES. Toilet Paraffin, Bay Rum, Lanoline, Lime Cream, "Flowerine" Hair Cream, Violet Powder, in highly decorated tins, Sachets, RAZOR PASTE, Scurf Pomade, "BRYSTA" CLOTH CLEANER, at lowest prices.

IT WILL PAY YOU to write for Samples and Quotations to:

The

WHOLESALE CHEMICAL WORKS,

114 Copenhagen Street, King's Cross, LONDON (Eng.)

VALAZE

REMEMBER THE NAME.—Many ladies will ask you this summer for this beauty cream, made famous by London's fashionable West End Complexion Specialiste, Mme. Helena Rubinstein. It will not show flattering business acumen not to be able to supply it.

RETAIL PRICE: 4/6, 8/6, and 21/- A POT.

Madame Helena Rubinstein,
24 Grafton Street, London, W.

255 Rue Saint Honore, PARIS.
274 Collins Street, MELBOURNE.

158 Pitt Street, SYDNEY.
9 Brandon Street, WELLINGTON, N.Z.

EAU DE COLOGNE “ELSA PLATZ” BRAND

Unrivalled for Delicacy and Strength.

Eminently suitable for a Speciality.

Sells readily at very handsome profits.

Sample and Prices on application.

SPURWAY & CIE.,

MANUFACTURING PERFUMERS,

14 BARTHOLOMEW CLOSE, LONDON,
E.C.



**THE "D & O" BRAND
MEANS
STANDARD OF QUALITY"**

ESSENTIAL OILS, SOUTH AMERICAN BALSAMS & DRUGS.
Write for Samples and Prices of our PEPPERMINT OILS.

DODGE & OLcott CO.,

20 MARK LANE,
LONDON, E.C.

TELMO FRECKLES

for which there is a large and increasing public demand,
can be obtained from the leading Wholesale Chemists.

Handsome Profits, Quick Sales, Satisfaction Guaranteed to Purchaser,
or money refunded.

TELMO LABORATORIES, 6-8 Bouverie St., LONDON, E.C.



THE HAIR RESTORER

From the formula of a medical specialist who has devoted many years to the study of alopecia, seborrhea and allied conditions of the scalp.

Now being advertised all over the Country.

GET ON TO THE "AIRONAL" SYSTEM OF CO-OPERATION

whereby, for every pound you spend with the Company up to September 1st, 1912, a fully paid

2/6 SHARE will be GIVEN to you.

Write for full particulars to—

AIRONAL, LTD., 53 VICTORIA STREET,
WESTMINSTER, S.W.

**Prime D. & K.
Artificial Scents**
LATEST NOVELTY.
Rosa Rugosa Carmen D. & K.

Unrivalled Sweetness and Efficiency.

D. & K.

CHEMICAL PRODUCTS for
SYNTHETIC PERFUMERY

BENZYLE-ACETATE,
BENZYLE-ALCOHOL,
BENZYLE-BENZOATE,
CINNAMIC ALDEHYDE.

DELVENDAHL & KÜNTZEL,
Werder a. Havel, near Berlin, GERMANY.

London Agent: Mr. CHARLES KAUFMANN, 9 Falcon Avenue, E.C.

No. 39.

Maw's

Telegraphic Address: "ELEVEN LONDON."



B2750/B.

SAFETY RAZOR APPEAL.

An action by the Gillette Safety Razor Company against the Anglo-American Trading Company, Limited, and Bent and Parker, Limited, of Leicester, was before the Court of Appeal to-day on an appeal by the defendants from a decision by Mr. Justice Parker in the Chancery Court, who had held that defendants had infringed the plaintiff's patent relating to safety razors. The defendants denied infringement, and pleaded that plaintiff's patent had been anticipated.

The Appeal Court to-day held upon the construction of the plaintiff's patent that the defendants had not infringed, and allowed the appeal, entering judgment for the defendants with costs of the trial and of the appeal.

"PALL MALL GAZETTE," July 9th.

¶ Pharmacists who appreciate the possibilities of the safety razor business cannot do better than sell MAW'S

"INVINCIBLE" SAFETY RAZOR

Made of nickelated brass, with reliable highly tempered steel blade.

B2750/B "Invincible," No. 1, Maw's, with 1 blade, in card box, Per dozen, 8/6.

B2751/B Spare Blades for ditto, in packets of 6 Per dozen Packets, 10/6.

ATTRACTIVE SALE-CARD.

THE "INVINCIBLE" SELLS AT 1/-

THE HOLIDAYS

The Pharmacist who discerns in the annual exodus of people to seaside and country and additional source of income, should not fail to read our Holiday **NEXT WEEK** Requisites Page, published July 20th.

THEY MEAN MAW'S WHEN THEY ASK FOR THE BEST.

39/13.7.12

S. MAW, SON & SONS

7 TO 12, ALDERSGATE ST.
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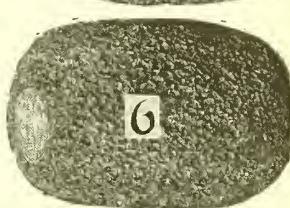
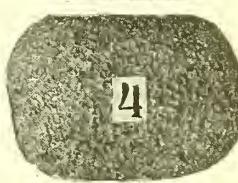
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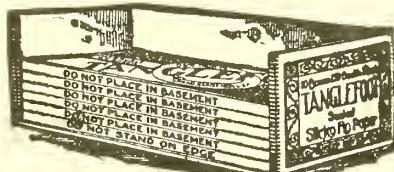
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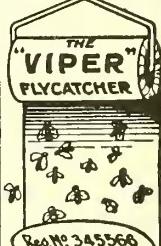
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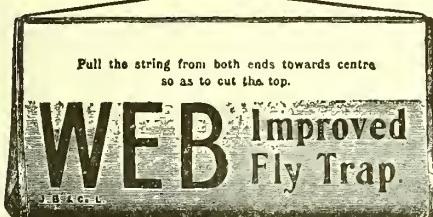
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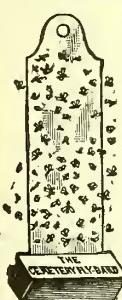
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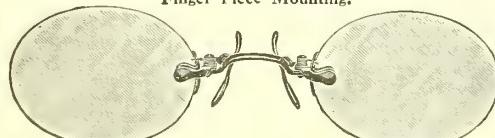
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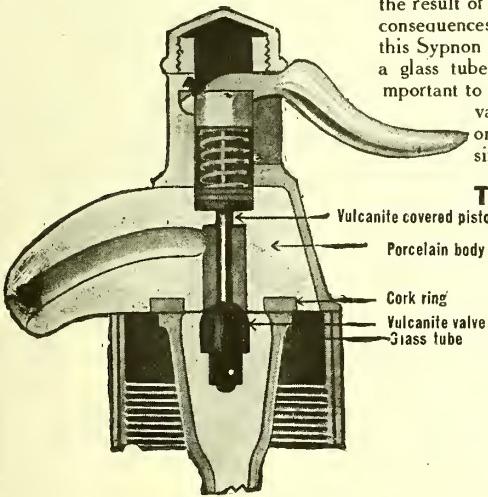
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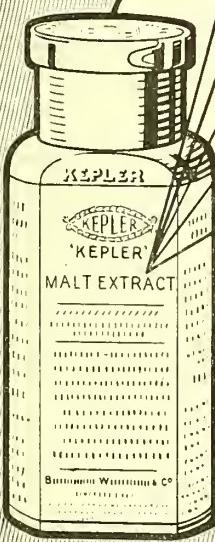
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In the Coloured Supplement.

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Coming Events. Patent Specifications.
Corner for Students.

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PAY.

SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

Articles and Communications.

Mr. E. J. Parry communicates a note on a novel manner of sophisticating star-anise oil (p. 51).

An Irish pharmacist who has had practice in bee-keeping describes his experience in an article on p. 52.

Export and import trade in June suffered seriously from labour troubles, as we fully show in the article on pp. 50-51.

"G.R. Officer's" second letter on the position of Customs and Excise chemical officers as affecting industry is printed on pp. 66-67.

Dr. J. C. McWalter calls attention to the tests for turpentine, and we append some observations on the quality of the present supply of the oil (p. 66).

The report of the Camera Argunaria in regard to Italian citrate of lime and concentrated lemon-juice has been issued. We deal with it editorially on p. 50.

The insurance of apprentices and other points arising from the National Insurance Act are dealt with on pp. 67-68. We note too late for correction on p. 67 that the word "advisable" in the fifth line of the second column should read "inadvisable."

Members of the B.P.C. Edinburgh Ladies' Committee figure on p. 65, and on the previous page are given particulars of arrangements for the meeting, which begins on July 29, including travelling from London and hotel accommodation in Edinburgh.

The Government and the British Medical Association have failed to come to terms about medical benefit under the National Insurance Act, and Mr. Lloyd George sums up the position in a letter printed on p. 49, where also we refer to what chemists may yet have to do with respect to dispensing remuneration.

News of the Week.

Americans in London dined together with English and other guests on July 4 (p. 34).

The conditions under which beeswax is now admitted into South Africa are stated on p. 38.

The symptoms of foot-and-mouth disease are succinctly described in a paragraph on p. 34.

An interesting defence by a pharmaceutical chemist in a camphorated-oil case is reported (p. 39).

The late William Caudery's estate is the subject of a judgment by Mr. Justice Swinfen Eady (p. 39).

Fresh decisions under the Australian Customs Act and new references to food standards are noted on p. 37.

The Pharmaceutical Society of Ireland has secured the conviction of a licensed poison-seller who sold medicinal poisons (pp. 39-40).

The names of the persons who passed the pharmaceutical Major and Minor examinations in Edinburgh this month are given on p. 53.

The latest regulations in regard to the importation of proprietary medicines and mineral waters into the Argentine are printed on p. 38.

On reconsideration of the scientific evidence, the Pontypridd Magistrate did not convict in the salicylic and cordial case reported last week. See the note on p. 51.

Several items of news regarding the administration of the National Insurance Act and meetings of the Pharmaceutical Standing Committee of the Welsh Committee are reported on p. 45.

The Council of the Pharmaceutical Society of Ireland has resolved to remove science subjects from the Preliminary examination, and to require a curriculum in theoretical chemistry for the Licence examination (p. 42).

We give a fuller report of the evidence heard in the afternoon of July 4 by the Select Committee on Patent Medicines, and also report the evidence by Dr. Crosse, of the British Medical Association, on July 11. This dealt chiefly with sexual and venereal matters, and most of it was taken *in camera*. The report begins on p. 56.

Trade and Market Matters.

Business is very slow on the London market this week, and few abnormal changes in price are recorded. Spice-sales were held on Wednesday and drug-sales on Thursday. Cascara sagrada was cheaper in auction, so was Cape aloes. Some changes are reported from New York (p. 59).

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Of forty-one samples of drugs taken in Bristol during the past twelve months only three were reported to be adulterated.

Smethwick Town Council has passed plans for alterations to the business premises of Boots, Ltd., at 56 Cape Hill, Smethwick.

The new official guide to Tynemouth, just issued, contains a reproduction block of the handsome premises of Messrs. Williamson & Hogg, chemists, Bedford Street, North Shields.

The Public Analyst for Gloucestershire, reporting on the last quarter, states he examined citric acid (1), camphorated oil (3), and spirit of nitre (3), and all were genuine except a sample of spirit of nitre taken informally, which was 16 per cent. deficient in ethyl nitrite.

At the Whitehaven Shopping Week ending July 6, Messrs. F. B. Bennett, 37 King Street, W. H. Gass, 12 King Street, J. H. Grayson, 2 King Street, and J. Osborne, Lowther Street, exhibited in the chemists' section. Mr. Bennett was the Chairman of the Competition Committee in that section and Mr. Gass was also a member of the committee.

The glass-panelled sign at the entrance of the branch of Boots, Ltd., in Penny Street, Lancaster, was smashed on July 7 by a motor-car swerving into it in order to avoid a collision with another car. At Cheshire Quarter Sessions on July 3, Thos. Charnley, labourer, was sentenced to twelve months' hard labour for breaking two plate-glass windows at the establishment of Boots, Ltd., of Stockport. The damage done amounted to 30/-.

At the last meeting of the Pontypridd Urban District Council, Mr. Oliver Davies, chemist and druggist, Mill Street, complained through Mr. David Williams of the inconvenience caused by the Council's tramwaymen stopping their cars and waiting a long time near his pharmacy. Small repairs were also made near his premises whenever necessary, causing Mr. Davies much annoyance. It was decided to investigate the complaint.

Royalty on Holiday.

Saturday, July 6, was the last day of the regatta at Henley, and it was made memorable by a visit from the King and Queen with Princess Mary. The "Court Circular" reports :

Their Majesties travelled by special train on the Great Western Railway from Paddington to Henley Station, and were received by the Mayor (Mr. Turton Green) and the Corporation.

The Mayor of Henley had the honour of being presented to the King and Queen by Colonel Sir Douglas Dawson.

Their Majesties were conducted to the embarking-stage, where they were received by the Lord Desborough (Chairman of the Thames Conservancy).

THE MAYOR OF HENLEY.

The Queen accepted a bouquet of roses from Mrs. Green. Then the royal party embarked in the old State barge. The Mayor (Mr. George Turton Green) is a chemist and druggist, and has been in business at Henley since 1896. He entered the Town Council about six years ago, and is an all-round good worker in municipal and social affairs.

King George and Queen Mary have been in Yorkshire this week, and on Wednesday they inspected the works of the Rylands Glass and Engineering Co. at Stairfoot, Barnsley, watching the processes by which molten glass is moulded, and blown into bottles and other articles. The glass blowers are accustomed to sing as they work, and on this occasion it was Burns's "Mary," with its

refrain, "Kind, kind, and gentle is she, Kind is my Mary," that they sang.

"Independence Day."

The American Society in London held their banquet to celebrate Independence Day on Thursday, July 4, at the Savoy Hotel, London, when Mr. Walter Blackman presided over a large assembly, which included the American Ambassador, the Marquis of Bristol, Lord Emmott, Lord Justice Fletcher Moulton, the Archbishop of Cape Town, and other prominent personages representing the various services of the American Republic. Among the guests were Mr. Thos. J. Barratt (Messrs. A. & F. Pears, Ltd.), Mr. F. M. Fish (Messrs. Parke, Davis & Co.), Dr. F. B. Power (the Wellcome Chemical Research Laboratories), Mr. John Morgan Richards (Hon. Treasurer), Mr. John Morgan Richards, jun., Mr. Nelson Richards, Mr. John H. Buffham (British representative of the Resinol Chemical Co., Baltimore), and Mr. S. R. Van Duzer, the indefatigable Hon. Secretary of the Society, who was Chairman in the year 1900. The toast of "The King," proposed by the Chairman, was followed by the singing of the National Anthem, and that of "The President of the United States," submitted by the Marquis of Bristol, was honoured after "The Star-spangled Banner" had been sung. The American Ambassador replied in his imitable style, and he was followed by that well-known orator, the Hon. Chauncey Depew. The hearty friendship and feeling of brotherhood between the two English-speaking peoples were very apparent, and left no doubt in the minds of those present that the words of the American Ambassador, "the peace consecrated by time and by all the good impulses and emotions of the great world-wide English-speaking races would last for ever," will be fulfilled.

Foot-and-Mouth Disease.

In view of the present epidemic of foot-and-mouth disease, veterinary chemists should note the following description of the symptoms which is issued by the Board of Agriculture and Fisheries :

In the early stages of the disease the animal frequently smacks its lips, and shows by the movement of its tongue that the mouth is the seat of suffering; and the saliva flows freely from the mouth. An examination of the mouth shows the existence of vesicles on the tongue and on the inner part of the upper lip and on the pad. These vesicles show themselves in the form of a tough white skin which can be easily stripped off, and a red, raw surface is found beneath. The animal seldom refuses food, but rolls it about in its mouth, and often drops it instead of swallowing it. In most instances the feet are affected as well as the mouth, and blisters will form between the toes and on the heels between hair and hoof, causing the animal to walk tenderly, and frequently to catch up one foot after the other and shake it as if to dislodge something which was producing pain. In milch cows the teats may be affected with vesicles, especially at the opening of the milk-duct. This often leads to sores and crusts being formed, which prevent the ready flow of the milk. The disease frequently exists simultaneously among the cattle, sheep, and pigs of the farm.

The Late Mr. Horace Ridley.

The death of Mr. Horace Ridley, chemist, Princes Risborough, did not occur in an Aylesbury pharmacy as was reported to us, but in the Aylesbury swimming-bath. At the inquest Dr. T. G. Parrott, of Aylesbury (who had tried resuscitation), stated that on examining the body he found an elongated bruise upon the back of the skull which in his opinion had been recently caused, and which might have been done by the deceased slipping off the side of the bath and striking his head upon the parapet. He considered that the bruise was caused by such violence as would render an old man like deceased unconscious. In his opinion the cause of death was suffocation caused by drowning. We also learn that Mr. Ridley was apprenticed at Rochford, Essex, and when he was of age purchased a business at Lincoln, and in 1869 went to Princes Risborough, having purchased the business formerly carried on by Dr. Foster, chemist. This business he carried on with success up to the time of his death. For some time past Mr. Ridley had been thinking of retiring, and at the time of his death arrangements were being made for a transfer of the business.

Liverpool Notes.

Local chemist-opticians organised a party of chemists to attend the Federation meetings of ophthalmic opticians at the Midland Hotel, Manchester, on July 10, and to visit Chester on July 11.

Disinfectants and germicides have been sold locally in large quantities lately owing to the outbreak of foot-and-mouth disease among cattle imported to Liverpool from the Irish ports. A chemist who has made it a hobby to go down to the Prince's Landing Stage early every Sunday morning to see the cattle arrive has been, for a time, deprived of one of his pleasures in life.

On July 4—Independence Day—American visitors were rather "frisky" in Liverpool, and Mr. J. H. Robinson, at the Exchange Pharmacy, had rather a peculiar experience. Displayed in his window side by side are Union Jack and "Stars and Stripes" flags. Seeing them, a passer-by dashed into the pharmacy and excitedly demanded to know the price of the flags. When assured they were not for sale he begged the assistant to come out and drink with him, as so far he had been unable to "strike" a kindred soul.

Mr. Anthony Buck celebrated his twenty-first year of being in business on July 3 by inviting a dozen friends—doctors, wholesalers, and retailers—to an outing at Chester. Awaiting the party at Chester station was the "Old Times" coach, and special permission having been obtained from the Duke of Westminster, a drive was taken through Eaton Park to Ellesmere. Here an excellent luncheon was provided. The journey was then continued in old English style through charming country, changing horses every eight miles at old-world inns, until Shrewsbury was reached, where the party took tea. After a stroll round Shrewsbury the party went back to Liverpool by train in time for dinner. Following this complimentary speeches were made, and an inlaid billiard-cue, with a silver band bearing a suitable inscription, was presented to the host.

Poison-licences.

The Hereford City Council has granted a horticultural poisons licence to Mr. Bernard Powell, manager of the King's Acre Nurseries, Ltd., there.

The Cardigan County Council has granted a poison-licence to Mr. R. Williams, The Drug Stores, Borth. Mr. David Joshua Davies, general merchant, etc. Pont-rhyd-y-groes, has also applied to the Council for a licence.

Contracts.

Belper Guardians.—Calvert & Son, chemists, Belper, for the drug-supply.

Hitchin Guardians.—Perks & Llewellyn, chemists, Hitchin, for drugs, at 45l.

Romsey Guardians.—Mr. F. Oram, Ph.C., Romsey, for drugs and surgical dressings.

Warwick Guardians.—Mr. C. P. Pratt, chemist, Warwick, for the supply of drugs.

Canterbury City Council.—Walker & Harris, Canterbury, appointed chemists for six months.

Dover Town Council.—Mr. A. L. Thompson, chemist, Dover, for chemists' goods, at 236*l.* 1*s.* 1*d.*

Eastry (Kent) Guardians.—Mr. A. E. Woodruff, pharmacist, Eastry, for chemists' sundries.

Ellesmere Guardians.—Mr. J. J. Clayton, chemist, Ellesmere, for a three months' supply of carbolic soap.

Brierley Hill Urban Council.—United Alkali Co., Ltd., and Joyes Sanitary Compounds Co., Ltd., for disinfectants.

Stretford U.D.C. has accepted the following tenders for annual supplies: Burgons, Ltd., for toilet soap; United Alkali Co., Ltd., for chloros, 1*s.* 6*d.* per gal.; W. & F. Walker, Ltd., for liquid soap, 1*s.* 9*d.* per gal.

Yarmouth Guardians had another lively discussion on Tuesday over the drug and medicine supply to the poor through chemists instead of medical officers in consequence of the Local Government calling for a report of the working of the system. It was decided that the Finance Committee should prepare a full report showing the number of prescriptions dispensed by chemists and the cost.

A Dialogue on Chemists and Doctors.

A workman's compensation case was heard in the Shore-ditch County Court on July 9, when the solicitor for the defence said the plaintiff should not recover because he had acted unreasonably by not going to a doctor, whereupon the following dialogue took place:

Judge Cluer: Why this wonderful faith in doctors? What does it rest on? The man says he went to a chemist and had it dressed with a lotion and ointment.

Mr. Thomas: But had he gone to a doctor, this man's five-months' illness would have been saved.

Judge Cluer: That is what you say. I repeat, he went to a chemist, and can I say it is unreasonable for a man to first try Holloway's ointment, for instance—I don't mean that as an advertisement—or anything else of a similar nature that is well advertised? He gets the stuff because it is well advertised, and surely that is not unreasonable.

Mr. Thomas: The doctors say the trouble possibly arose from the treatment.

Judge Cluer: That, of course, may or may not be so, but the fact remains he went to a chemist and did all he considered possible, and I cannot hold that to be unreasonable. He is entitled to an award, and I will make it 12*s.* 6*d.* a week from the date of the accident—February 9.

From Various Courts.

At the Cullompton Petty Sessions on July 8, Thomas O'Brien, described as a slater from London, was sentenced to seven days' hard labour for being drunk and disorderly in a Cullompton chemist's shop.

Messrs. R. White & Sons, Ltd., aerated-water manufacturers, Camberwell, were summoned at the Thames Police Court on July 9 for applying to ginger ale an alleged false trade-description—"Belfast Ginger Ale." The case was sent for trial.

At the West Sussex Quarter Sessions on July 4, George Rosamond Harwood, chemist, Worthing, was bound over on a charge of attempting to commit suicide on June 8. Defendant was found suffering from a wound in his throat and an overdose of sulphonal.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Aberdeen and the North.

Mr. John Riach, chemist and druggist, formerly of Stonehaven, and chief pharmacist to the Victoria Infirmary, Glasgow, has acquired the business of Mr. W. D. Morrison, chemist and druggist, Keith.

Mr. John Shaw, chemist and druggist, has graduated as M.B., Ch.B., at the Aberdeen University. Mr. Shaw was apprenticed to Mr. J. H. Dawson, chemist, Keith; then he was two years as an assistant with Mr. J. M. Symington, Inverness, whom he left to study at the Central School of Pharmacy, Edinburgh, and passed the Minor examination in July 1901. He then joined the staff of Boots, Ltd., and opened a branch for them at Dartford, managing it for three years. Returning to Scotland, he opened and managed the drug department of the Northern Co-operative Co., Aberdeen. In 1907 he commenced the medical curriculum at Aberdeen University, and during it has distinguished himself in various subjects, taking two medals. He was capped at the Graduation ceremony on Tuesday, July 9, and a host of friends wish him well in his new sphere.



DR. JOHN SHAW.

Annual Meeting of the B.D.A.

The thirty-second annual meeting of the British Dental Association is to be held at the University of Glasgow in the first week in August. One or two papers, apart from

the usual practical and scientific ones to be read at this meeting, are on general subjects in connection with dentistry—e.g., "The Insurance Act and the Dental Profession," "The Care of the Teeth in Boy Scouts," and two papers on School Dental Clinics will appeal to those who are advocating attention to the teeth of the young. The social side of the meeting includes a reception by the Lord Provost and Magistrates in the Municipal Buildings; reception by the President and Council of the Royal Faculty of Physicians and Surgeons of Glasgow; the annual dinner; excursion by train and steamer on the Clyde, sailing round the Island of Bute; also parties will be formed to visit the historic buildings and places of interest in and around the city.

Edinburgh.

Mr. J. H. Mowatt, Grange Road, Edinburgh, having received an analytical appointment, has disposed of his business to Mr. James Keith McCaim.

Local doctors, in spite of all the alleged opposition to the Insurance Act, are said to be having a good time just now examining prospective members of approved societies.

Mr. A. C. Martin, chemist and druggist, 132 Nicolson Street, has had the frontage of his shop altered and renovated, with the result that his pharmacy ranks now as one of the handsome establishments in the South Side.

Glasgow and the West.

The wholesale drug-houses will in most cases be closed for the week-end for Fair holidays.

Mr. D. Baillie has disposed of his business at 28 Brandon Street, Motherwell, to Mr. W. Morrison.

Chemists in the West, especially at coast towns, are experiencing a boom in business due to prosperity in the iron and shipbuilding trades, and consequent influx of visitors and money.

On Friday, July 5, while an assistant in the Apothecaries' Hall, Possilpark, was using carbon bisulphide, the vapour caught fire and considerable alarm was caused. The arrival of the Central Fire Brigade prevented the fire spreading, but damage amounting to 100*l.* was caused.

The latest publication of the Glasgow School of Pharmacy bears the name of Mr. John Lothian as principal, and the staff consists of Messrs. Malcolm M. Irvine, Ph.C., D.B.O.A., James Tulloch, M.A., Mark Davis, and John McPhail. The School will be reopened on August 19.

Although the local authority have given public notice that owing to this being a busy spell before the Glasgow Fair holidays the compulsory half-day closing will not be strictly enforced this week, nevertheless practically every chemist's shop was closed on Tuesday, thus showing the popularity of the half-holiday.

The hearing of the case of the Pharmaceutical Society *v.* Wilson has again been postponed, until July 17. The defendant, Mr. Robert Wilson, was in business before the Pharmacy Act, 1868, came into force, but never registered. He has now made the necessary statutory declaration, which has been attested by Daniel Dougal, M.D., F.R.C.P.G. and L.R.C.P.L., Swanshurst, Bournemouth, who was in practice in Strathaven when (1868) Mr. Wilson was in business at Larkhall. Application has accordingly been made to Mr. Richard Bremridge for registration. Mr. Wilson has been in business in Glasgow for many years, and had not been interfered with until these proceedings were instituted.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. James Barry, Ph.C., has purchased the business of the late Mr. M. D. Carroll, Ph.C., Boyle, co. Roscommon.

Mr. Joseph Donnelly, Belfast, who acts as prosecuting solicitor in the North of Ireland for the Pharmaceutical Society of Ireland, recently underwent a severe operation.

During a disturbance in Belfast on July 4 the plate-glass window in the Donegall Pharmacy of Mr. M. McDonald, Ph.C., 122 Donegall Street, was smashed by a stone.

The Surveyor of Belfast has approved of plans lodged on behalf of Messrs. Grattan & Co., chemists and aerated-water manufacturers, for the erection of stores in Ventry Street.

Mr. R. B. Mc Birney, Ph.C., Kilkeel, co. Down, rendered first-aid on July 3 to Miss Irwin, a school teacher, who lost control of her bicycle when cycling down a hill and was thrown against a wall.

Thomas Gray, a carter, employed by Messrs. Gilmer, Moore & Chesnutt, Ltd., druggists, Wellington Street, Ballymena, was crushed to death on July 4 by a horse, which pinned him against the wall of the stable.

In connection with the celebration of the bicentenary of the Medical School of Trinity College, the Senate of Dublin University has conferred the honorary degree of Doctor of Medicine on Sir William Whitla, L.P.S.I., Professor of Materia Medica, Queen's University, Belfast,

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

PROFESSOR KLING has been nominated, by decree of the Prefect of Police, Director of the Municipal Laboratory of Paris, and M. Sanglé Ferrière, his principal collaborator, has been officially appointed head analyst (*chef des travaux analytiques*).

"EAU D'ARQUEBUSADE," alluded to in the editorial on "Nostrums," was the subject of an amusing sally in the French Parliament recently. Professor Cazeneuve, of Lyons, was speaking on the question of the prohibition of absinthe, when a fellow Senator suggested that it would be no harm if pharmacists were prohibited from selling certain potent liqueurs, among others the "eau d'arquebusade," which, the speaker asserted, was obtained by Professor Cazeneuve's electors at pharmacies not as a remedy, but to indulge their taste for alcoholic drinking.

THE INTRODUCTION OF IPECACUANHA.—Referring to "Xrayser II.'s" remarks on this head, ipecacuanha appears to have been brought to Paris from South America by Le Gras, who sold some (according to Pomet, the historian of the drug-trade, who dispensed at the "Golden Beard" in the rue des Lombards) to Claqueuelle, a Parisian apothecary. Le Gras and Helvetius prescribed it in large doses, and this is supposed to have at first checked its success. In 1680 Garnier, a Paris merchant, who had some 150 lb. in stock (apparently imported through Spain), induced Helvetius to recommence or extend its use, this time with better results. The right of Helvetius to sell the secret was disputed by Garnier; but as the result of a legal investigation Garnier was non-suited.

CIDER FOR GOUT.—Dr. Motais, of Angers, has communicated to the Academy of Medicine his views as to the efficacy of cider-drinking in cases of gout. He referred to the case of a doctor of sixty-one who, after suffering from this disease for eleven years, happened to receive a barrel of Brittany cider. Finding it to his taste, he abandoned his habitual beverages in its favour, and his gout was cured. Dr. Motais followed up this case by the observation of four others. The most remarkable of these was that of a Bordeaux business man of forty-eight, who had been thirty years a martyr to gout when he came to Rennes, in the cider country, and cured himself (like the old doctor already mentioned) by pure accident. The cure is based on doses of a litre of well-made lightly fermented cider, kept at an agreeable and refreshing temperature, at each meal, "without prejudice to a few glasses between times, if it happens to be hot weather," said Dr. Motais.

WHOLESALE DRUGGISTS DINE.—A hundred and thirty guests sat down to the annual banquet of the Paris Association of Wholesale Druggists at the Palais d'Orsay, the chair being taken by M. Fernand David, Minister of Commerce, assisted by M. Léon Darrasse, President of the Association.

Among those present were Senators Cazeneuve and Morel, MM. Failliot and Chautemps, Deputies; Professors Grimbert, Lebeau, Mouren, Perrot, and Radais, of the Paris Superior School of Pharmacy; M. Roux, head of the official Anti-Adulteration Laboratory; M. Halphen, of the official Legal Analysis Laboratory; M. Jegou, of the Central Army Pharmacy; M. Faure, President of the Association of Manufacturers of Pharmaceuticals; and M. Vinot, Chairman of the Association of Druggists' Employés. At the close of the banquet M. Fernand David nominated as officers of the Academy M. Salle, ex-Vice-President of the Association; M. Perrot, Administrative Secretary; and MM. Allard and Gallois, committee men. He also distributed long-service medals to various employés of leading drug-houses on their completion of thirty years of service in the same firm. Two of the male recipients work for Darrasse Frères, one at Rigollot et Cie., and one for the Quinquina Society; two women for the Société du Tamar Indien, and four for Carenne et Cie., of Moussac.

INDIA AND THE EAST.

(From the "C. & D." Correspondents.)

DEATHS FROM PLAGUE.—It is announced that the number of deaths from plague in India during the years 1901 to 1911, both inclusive, was seven and a quarter millions.

MYSORE CHEMICAL AND PHARMACEUTICAL WORKS.—During the proceedings of the Mysore Economic Conference held at Bangalore, which concluded on June 12, it was resolved that the Industries Committee be asked to conduct a preliminary investigation with a view to establishing in the Mysore State chemical and pharmaceutical works for the manufacture of acids, tinctures, extracts, etc., on modern lines. It was further resolved that a Mysore University should be established.

A CURIOUS COCAINE CASE came before the Magistrate at the Colecotollah Police Court on June 7, when Faridan Bibi, a married Mahomedan woman, was charged with being in possession of phials of cocaine without a licence. It appeared from the evidence that several phials labelled "Cocaine" were found in the woman's room by Presidency officers, who had acted on the statements of an informer, and the powder was sent to the chemical examiner, who certified that it was phenacetin and not cocaine. A tin of the same material was also found in the accused's room. The Magistrate dismissed the woman after saying that he had little doubt that the phials were replenished from the tin, and he thought it highly probable that the powder was sold as cocaine.

CANADIAN NEWS.

(From the "C. & D." Correspondent.)

MR. SYDNEY S. DUNN, son of Mr. G. Stewart Dunn, chemist and druggist, High Street, Deal, has obtained the degree of B.Ph. of the Toronto University and the gold medal of the Ontario College of Pharmacy.

WHOLESALES MEET.—The Canadian Wholesale Druggists' Association concluded its session at Halifax on June 21. The officers for the ensuing year are: President, Mr. C. McD. Hay, Toronto; Vice-Presidents, Mr. J. W. Knox, Montreal, and Mr. E. D. Martin, Winnipeg; Secretary, Mr. Jas. Mattinson, Montreal; and Treasurer, Mr. W. F. Elliott, Montreal. The meeting next year will be at Winnipeg.

TARIFF CHANGES.—The Canada "Gazette" announces changes in the Customs tariff, which include the following: Free of duty: Barium peroxide "non-alcoholic," for use in the manufacture of hydrogen peroxide, when imported by manufacturers of hydrogen peroxide. The duty in some instances is reduced on certain articles employed in Canadian manufactures—e.g., peppermint oil, under the British preferential tariff, 5 per cent. *ad valorem*; under the intermediate tariff, 7½ per cent. *ad valorem*; under the general tariff, 10 per cent. *ad valorem*.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, and to many other Chemists in business there.

The Commonwealth.

CASEIN FOODS.—A Customs by-law gazetted on May 4 changes the duty on Casumen, Nutrose, Plasmon, Proteine in powder form, Sanatogen, and Somatose. By a by-law dated December 12, 1908, these invalids' foods and others were gazetted to be admitted free of duty under tariff item 88b. These are now removed from the by-law of December 1908, and therefore come under the charge of duty. They are probably included under oilmen's stores n.e.i., being groceries, and other preparations used in the household, ad val. 20 per cent., manufactured in the United Kingdom 15 per cent.

PROPRIETARY MEDICINES.—The Minister of Customs has recently had a sample tested of a proprietary medicine greatly advertised and highly priced. He found it contained small quantities of sulphurous and sulphuric acid in water. He ordered the destruction of misleading literature which the importers submitted and prohibited its future importation. The Minister explained that he recently took similar steps regarding a medicine alleged to cure consumption. In another case a proclamation prohibited the imports under a false label. The importers defeated the Department by printing the misleading labels in Australia and labelling the bottles on arrival.

New South Wales.

PHARMACEUTICAL SOCIETY.—At the monthly meeting held on May 13 the Secretary laid on the table a copy of the Veterinary Surgeons Bill. This Bill did not pass last Session, but it is understood that the Government intend to pass it next Session. The general opinion of members was that chemists would be prohibited from practising if the Bill becomes law. It was decided to supply each member with a copy of the Bill, and deal with the matter at the next meeting.

FOOD REGULATIONS.—A fresh set of regulations under the Pure Food Act, 1908, has been gazetted. These consolidate the amendments made since the original regulations were issued and bring them more into conformity with the recommendations of the Interstate Conference of 1910. One regulation that is new provides that the name and address of the maker or vendor can be omitted where a trade-mark is used which has been shown in an application to the Board of Health to belong to the maker and to be applied to certain kinds or descriptions of food. "Imitation vanilla" and "imitation vinegar" are the names to be used for artificial vanilla-essence and for vinegar.

Queensland.

RECIPROCITY FEES.—The Pharmacy Board of Queensland at its meeting in May resolved to ask the various Boards in Australia and New Zealand to agree to approach the Secretary of State for the Colonies, asking him to request the Pharmaceutical Society of Great Britain to reduce the fees for the registration of Australian diplomas to two guineas, which is about the usual charge in Australia.

Tasmania.

EARLY CLOSING.—On May 10 the Full Court of Tasmania gave judgment in the appeal case of Conlan *v.* Palfreyman & Fitzgerald in the matter of the Shops Closing Act. Messrs. Palfreyman & Fitzgerald had been summoned for keeping their shop open after 6 p.m. on four days a week, and the case had been dismissed by the Police Magistrate on the ground that the information did not disclose any offence (*C. & D.*, June 1, index folio 798). The facts were admitted, but the case was dismissed on the ground that the Act, while it provided that every shop was to close at 6 p.m. on four weekdays and on one weekday at 10 p.m. other than the weekly statutory half-holiday, did not say that shops should be closed on four weekdays in each week. The appeal was allowed.

COLONIAL AND FOREIGN NEWS.

DUTCH PHARMACISTS have hitherto been limited to 5,000 patients per pharmacy. The number has now been raised to 6,000, and Parliament is discussing other proposals in respect to sick-clubs.

RUSSIAN MUNICIPAL PHARMACIES.—It is stated that the St. Petersburg Town Council propose to assign 800,000 roubles to the opening of twelve municipal pharmacies during the next six years, under the new law of last February.

PHYSIOLOGICAL STANDARDISATION.—An arrangement has been made between Dutch doctors and pharmacists to the effect that in future when tincture of digitalis and tincture of strophanthus are prescribed only preparations standardised by physiological methods will be dispensed.

HUNGARIAN MEDICINAL PLANTS.—A movement is on foot in Hungary to secure the entire control of the sale and exportation of medicinal plants. It is proposed to form a company with a capital of 200,000 kronen, which will undertake the systematic purchase of drugs grown in the country, promote their cultivation by farmers and other persons, erect drying-houses, and take all the necessary steps to prepare the plants for the home market and for export. The shareholders will obtain 50-per-cent. preference on their purchases. The president of the Hungarian Pharmaceutical Association is among the fourteen signatories to the preliminary circular.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

The Union.

IMPORTATION OF BEESWAX.—The Department of Agriculture has given notice that beeswax and foundation comb may now be introduced into any part of the Union from oversea providing that a permit is secured from it for each consignment. A sworn statement is required from the supplier, declaring that the wax has been heated to a temperature of 212° F. for two and a half hours, or consignments of beeswax on arrival must be treated in the manner indicated. Pure white wax will be admitted without treatment. The introduction of honey remains absolutely prohibited, while the introduction of bees is restricted to importations by the Government. Applications for permits should be addressed to Chief, Division of Entomology, Pretoria.

Cape Province.

PERSONAL.—Mr. Martin Elgar, who had a complete breakdown in his health, has left for a six weeks' trip to Natal and the Transvaal.

CHANGEABLE WEATHER at the Cape in the beginning of June led to the reign of "influenza," with consequent increase in the sale of suitable remedies.

BUSINESS CHANGES.—Messrs. A. Wood & Co., Mowbray, have converted their business into a limited-liability company, and have also extended their operations to Observatory, Cape Town.

Orange Free State.

O.F.S. MEDICAL AND PHARMACY COUNCIL.—The usual monthly meeting was held on June 14. There were present : Dr. H. B. Ward (President), Drs. Bidwell, de Kock, Johnson, Pretorius, and Tomory, Mr. Whiteside (dental member), and Messrs. Hewitt and Westlake (pharmaceutical members). The following registration was confirmed : William Christie McRobb (chemist and druggist, Great Brit., 1903) as a chemist and druggist ; address, c/o Lennon, Ltd., Doornfontein, Transvaal. The name of James Catford Koller (in practice before July 13, 1904) was restored to the Register. A letter was read from the Secretary to the Cape Colonial Pharmacy Board to

the effect that in the opinion of that body no good purpose would be served by the publication of the draft Bill based on the recommendations of the Medical and Pharmaceutical Conference of 1910. Correspondence was forwarded from the Department of the Interior on the question as to whether permission should be granted to two general dealers at Frankfort, O.F.S., to dispose of their stock of poisons within a given period. Under the law a permit may be granted to general dealers when there is no chemist's shop within six miles. The Government had granted leave to the two general dealers, who had the permits at the time a chemist started business in Frankfort, to continue to sell poisons till the end of the year, but the Department of the Interior wished to know the views of the Council on the request for the purchasers of the businesses to have the permits transferred to them and to sell the poisons. The Council resolved that the Secretary be instructed to reply that the Council could not recommend any deviation from the law. A copy of the reciprocity by-laws of the Pharmaceutical Society of Great Britain was received.

"Patents" in the Argentine.

THE Argentine Board of Health have issued the following regulations which have to be observed by persons who apply for permission for the sale of pharmaceutical products and mineral waters in the Republic. These regulations are subject to alteration from time to time :

I.

In applications to the Argentine Board of Health for authority empowering to sell pharmaceutical products the following regulations must be observed :

1. The applicant must fill up a form obtainable at the Board of Health.

2. In the form the composition of the product must be completely stated. The nature and quantity of all component parts, including excipient and colouring, are to be mentioned therein. Drugs, etc., must be called by their technical designation and quantities stated according to the metric system, and the form must be filled up in Spanish.

3. The filled-up form must be handed in at the Board of Health on stamped paper of 1 peso m/n. (=2s. 0½d.).

4. Together with the form, copies of all directions, notices, recommendations, and other printed matter, signed by the applicant, must be handed in.

5. Five samples of the product must be included. The samples must be packed in the same way as the articles are put up for sale. On each of them the composition of the product must be stated in a prominent position in Spanish. The quantities must be stated in accordance with the metric system.

II.

In application to the Argentine Board of Health for authority to sell mineral waters the following regulations must be observed :

1. The same as for pharmaceutical products.

2. In the form a copy of the result of the analysis of the mineral water must be given, also a statement as to whether the analysis was made in the Argentine or abroad.

3. The same as for pharmaceutical products.

4. Ditto.

5. For examination 50 litres of the mineral water must be supplied.

6. The applicant must provide a certificate as to the existence and geographical position of the source. The certificate must be confirmed by an Argentine consul [or the district whence it originates]. The certificate need not be handed in with the application, but only at the end of the investigation and if the Board of Health requires it.

Besides these regulations, the Board of Health also requires a certified declaration by the maker, stating that the person designated as the maker of the product to be introduced has made it himself according to the statement of its composition. If the declaration is made abroad it must be confirmed by the Argentine consul of the district from which the applicant exports the goods.

SCENE: A first-class pharmacy. Drives up huge motor-car emblazoned with grand crest. Steps out elaborately attired and haughty lady, demanding three-pennyworth of corn-plasters. After purchasing, she instructs assistant not to stop to seal as her lingering there would waste petrol.

LEGAL REPORTS.

TRADE LAW.

Marked Syphons.—At Highgate Police Court on July 10, Eli Cox and Frederick Osborn, trading as the Osborn Mineral-water Manufacturers of Ainger Road, Primrose Hill, were, under the Merchandise-marks Act, fined 4*l.*, and 2*l.* 2*s.* costs, for selling mineral waters in syphons belonging to and bearing the names of other firms.

Half-holiday Notices.—Eighteen summonses under the Shops Act, 1912, were heard at Burnley on July 4, mainly in regard to tradesmen not exhibiting notices respecting the assistants' half-holiday. The whole of the summonses were withdrawn on payment of costs. It was stated that the proceedings were taken in order to make tradesmen more conversant with the provisions of the Act.

HIGH COURT CASES.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

THE GILLETTE RAZOR PATENT.

The hearing was concluded in the Court of Appeal, composed of the Master of the Rolls and Lords Justices Farwell and Kennedy, on July 9, of the case of Gillette Safety Razor Co. against Anglo-American Trading Co., Ltd., and Bent & Parker, Ltd., upon the defendants' appeal from a judgment of Mr. Justice Parker. Their Lordships held upon the construction of the plaintiffs' complete specification that the defendants had not infringed, allowed the appeal, and entered judgment for the defendants, with the costs of the action and of the appeal.

THE LATE MR. WM. CAUDERY'S ESTATE.

In the Chancery Division on July 8, Mr. Justice Swinfen Eady delivered his reserved judgment in an adjourned summons raising questions affecting the estate of the late Mr. W. Caudery. The applicant was Mrs. Emily Foucar, and she sought to vary the certificate of the Master by allowing her 1,450*l.*, being the balance of a loan made by her to the firm of Wm. Caudery & Co., and that such sum should be paid out of Mr. W. Caudery's estate. Mr. Micklem, K.C., for other parties to the action, the London Joint Stock Bank, Ltd., who had the conduct of the proceedings in the administration suit, opposed the claim. His Lordship said :

On February 4, 1890, the late Mr. Wm. Caudery, together with Mr. C. C. Wightman and Mr. R. B. Jane, signed a joint and several promissory note to pay Mrs. Emily Foucar the sum of 4,000*l.* with interest at 5 per cent. Those three persons were at the time carrying on business in partnership at No. 1 Fenchurch Street, E.C., under the style of W. Caudery & Co. Mr. Wightman stated in cross-examination that the money was advanced to the partnership. On May 30, 1895, the partnership was dissolved by deed, Mr. Caudery retiring from the firm as from January 1, 1895. On the same day as the deed a new partnership was entered into between Messrs. Wightman and Jane, who carried on the business under the old name. Interest still continued to be paid on the promissory note, the last payment before the death of Mr. Caudery being on October 14, 1904. His death occurred in November 1904. Subsequent to the death instalments of principal were paid amounting to 2,600*l.*, and the last payment of interest in respect of the balance owing was on October 14, 1909. It was not disputed that the balance was owing with interest from September 30, 1909. In November 1909 an order was made for administration of the estate of Wm. Caudery, and in the January following the firm of Wm. Caudery & Co., consisting of Wightman and Jane, were adjudicated bankrupt. It was contended in opposition to Mrs. Foucar's claim that after the dissolution of partnership and retirement of Mr. Caudery no further payments upon the promissory note were made by him or on his behalf, and that the payments made by Wightman & Jane were made only in respect of their own liability. The claimant insisted that her debt was not statute barred by reason of various facts, outside the payment of interest by the co-partners. The 4,000*l.* was borrowed by all three partners, and on the retirement of Mr. Caudery his interest in the firm was valued at 24,013*l.*, which was payable by thirty half-yearly instalments, with interest at 7½ per cent. during his life and 5 per cent. on any balance owing at his death. Mr. Caudery was also to receive during his life a sum equal to one-quarter of the net amount earned by the new firm. Although Mr. Caudery retired, he still remained largely interested

in the firm. No notice of dissolution was published and no circular announcing dissolution was sent out to persons having business with the firm, and no notice was given to the bank. The claimant stated that she first heard of Mr. Caudery's retirement in November 1909. His Lordship said it was really a case of secret retirement of a member of a firm owing a debt, and of payments being made on account of the debt under the old name of the firm by the partners under a private arrangement between them. As the three partners jointly borrowed the money for the purpose of the firm, the debt could not be distinguished from the other joint debts of the firm. The claimant's debt would therefore be allowed, and she would also be allowed her costs out of the assets, the costs of the bank to be costs in the action.

Sale of Food and Drugs Acts.

SWEET SPIRIT OF NITRE.

At Sherburn, Yorks, last week, Alfred Pontefract, Fairburn, was summoned for selling sweet spirit of nitre which was certified to contain 1.11 part of ethyl nitrite, 84.20 per cent. of absolute alcohol, and 14.09 per cent. of water, etc. The Bench dismissed the summons on payment of 15*s.* 1*d.* costs.

CAMPHORATED OIL.

At Marlborough Street Police Court, before Mr. Mead, on July 5, Owen Wallis, Ph.C., 189 Wardour Street, W.C., was summoned by the Westminster City Council for selling on May 30 camphorated oil deficient to the extent of 7 per cent. by weight in camphor, the public analyst having certified that the sample contained camphor 19.9 per cent. and oil 80.1 per cent., instead of 21.45 per cent. of camphor, as required by the British Pharmacopœia. Mr. Rotton appeared for the Westminster City Council, and Mr. Wallis conducted his own case. Formal proof of the purchase was given. Mr. Alexander McNair, sanitary inspector, produced the analyst's certificate. Defendant did not dispute the evidence, but said his explanation would be the usually recognised and accepted one : that this particular preparation loses its camphor even when kept under ordinary and normal conditions and also when kept under particularly protected conditions. Proof of that was to be found in the fact that the portion of the sample purchased which was left with him was sent to be analysed three weeks later, and the analysis showed that it contained 0.6 per cent. by weight less than the certificate of the City Council analyst. It had therefore, although specially protected, deteriorated to the extent of 0.6 per cent. in the three weeks. The bulk from which the sample was sold had been in stock for about seven weeks, and the amount in which it was certified to be deficient in camphor, 1.55 per cent., would be practically equivalent to the loss shown in the portion of the sample left with him by the sanitary inspector. As representing one of the oldest firms of chemists in London, established for a century, whose boast it was always to have kept a high standard in the quality of their drugs, he desired to submit, first, that the deficiency shown was very small, and, secondly, if any offence had been committed it was purely a technical one, and the case was not in any sense one of fraud.—Mr. Mead asked for the authority for the contention that the proportion of camphor in the article should be 21.45 per cent. by weight.—Mr. Rotton read the formula in the British Pharmacopœia, but admitted that it is merely an indication of the manner in which camphorated oil is compounded and does not state what proportion of camphor it should contain.—Mr. Mead intimated that if the case was to be considered as in any sense a representative one, he would like to have some further evidence upon the point in question.—A solicitor who held a "watching" brief for the firm from whom the defendant had purchased the camphorated oil explained the method of dissolving the camphor, and said that if camphorated oil were put in a steam-bath the whole of the camphor would evaporate.—Mr. Mead adjourned the hearing for the production of authority as to the proportion of camphor which the sample should contain.

Pharmacy and Poisons Acts (Ireland).

ILLEGAL SALES OF POISONS.

At the Dunmore (co. Galway) Petty Sessions, before Messrs. Joseph Kilbride, R.M., M. Connolly, Job Martyn, A. E. Ellis, and J. G. Gordon, on July 4, a number of

summons at the suit of the Pharmaceutical Society of Ireland against Mr. Farrell McDonnell, J.P., Newpark, co. Kildare, owner of a shop at Dunmore, and against his assistant, Mr. William Jordan, were heard. Four summonses were issued against Mr. McDonnell. In the first he was charged with having on May 17 kept open shop at Dunmore for retailing or dispensing poisons contrary to the Pharmacy Act (Ireland), 1875. In a second he was charged with having sold carbolic acid, a poison, to Patrick Plower, the bottle not being labelled with the word "Poison" and the name and address of the seller. The third summons charged him with having sold cantharides under similar circumstances, and further charged that he did not register the sale in the poisons-book; and the fourth summons had reference to a sale of laudanum on the same occasion, without its being labelled "Poison" and without the name and address of the seller. Three summonses were issued against the assistant, he being charged with selling laudanum, carbolic acid, and cantharides, he not being qualified by law to do so. Mr. William C. Meeke, solicitor (of Messrs. A. & J. Robinson, Dublin), prosecuted on behalf of the Pharmaceutical Society, and Mr. F. B. McDonogh, solicitor, appeared for the defendants.

Sergeant Plower, R.I.C., stated that on March 14 he visited Mr. McDonnell's shop and had a conversation with Michael Noone, the manager, as to the sale of poisons. The manager showed him a press in which were tincture of cantharides, laudanum, carbolic acid, tartar emetic, sheep-dips, and other articles. Witness pointed out that the licence which Mr. McDonnell had did not authorise the sale of any substance except the sheep-dip, and that he would report the matter. On May 17 he again visited the shop and purchased the poisons from the defendant, William Jordan, an assistant in the shop. The manager, Mr. Noone, came up afterwards, but he was present in the shop during the sale. Fivepence was paid for the poisons.

Mr. Walter Thorpe, F.I.C., Dublin, proved the analysis of the three articles mentioned by the previous witness, and said the quantities purchased would kill about thirty-six people.

For the defence, Mr. M. Noone stated that the poisons were in the shop when he took over the management seven or eight months ago, and he believed they were poisons belonging to old Mr. McDonnell, who had been a qualified druggist, and who had been dead about ten years.

By a majority the Bench decided that they would dismiss the first summons for keeping open shop against Mr. McDonnell.

Mr. Kilbride, R.M., dissented, and said they were acting contrary to the evidence.

Mr. Meeke asked that a case should be stated for the decision of the King's Bench Division, and the Magistrates agreed to state a case.

Considerable discussion followed, and finally the Magistrates cancelled their previous decision and fined Mr. McDonnell 5*l.* on the first summons, but refused to give costs. They fined him 1*s.*, with 1*s.* 6*d.* costs, on each of the three remaining summonses. They also fined the assistant 5*l.* on the first summons against him, and on the sum of 4*l.* being paid towards costs, Mr. Meeke withdrew the two remaining summonses against him.

Dentists Act.

ALLEGED VERBAL OFFENCE.

At Clerkenwell Police Court, before Mr. d'Eyncourt, on July 8, William Hawkins, sen., 293 Gray's Inn Road, trading as "Williams's Artificial Teeth Institute," was summoned, on the information of Frederick Robertson, for wrongfully using the name and title of "registered dentist." A second summons was for using the title of "dentist." Mr. R. W. Turner appeared for the prosecution, and Mr. W. T. Ricketts for the defence. It appeared that Mr. Robertson, a L.C.C. teacher, required to have his teeth attended to, and it was necessary to get a certificate from a registered dentist. He went to defendant's place and was treated, but did not get a certificate. Mr. d'Eyncourt doubted whether the defendant had, in the words of the Act, "taken or used" the title of registered dentist, and after hearing Robertson in the box and Mr.

Ricketts for the defence, he dismissed the summons, stating that the only evidence was that defendant said he would give a certificate. Even if that were wrongly promised, it did not seem to come within the words "taking and using the name and title of registered dentist." The Act implies the public holding out of oneself as a registered dentist, and even if the promise were fraudulent it could not come within the section. He was prepared to state a case.

BANKRUPTCY REPORTS.

Re Richard Collings, 1 South Street, New North Road, London, N., Drug Vendor, etc.—An application for an order of discharge was made by this bankrupt to Mr. Registrar Giffard at the London Bankruptcy Court on July 10. The circumstances of the failure were fully reported in the *C. & D.*, 1912, I., 470, 602. The Official Receiver now repeated the financial details and the circumstances of the bankruptcy, and charged the bankrupt with misconduct, with transferring practically the whole of his assets to Mr. Edwards at a time when he knew he was insolvent, and with the intention of placing such assets beyond the reach of the plaintiff in the breach of promise action. The other offences alleged were (1) insufficiency of assets to equal 10*s.* in the pound on the amount of the unsecured liabilities, and (2) omission to keep proper books of account. His Honour upheld the Official Receiver's report, and imposed a suspension of two years and nine months. Order entered accordingly.

Re John Dixon Cutforth, Middlegate Street, Yarmouth, Chemist and Druggist.—The public examination of this debtor took place at Yarmouth Bankruptcy Court on July 9. His liabilities are 434*l.* 12*s.* 9*d.*, and the deficiency 403*l.* 10*s.* 9*d.* (see *C. & D.*, June 22, index folio 908). Debtor said he was an assistant up to 1896, when he became entitled to a reversionary interest under his father's will, on which he raised by mortgage 250*l.* He paid off debts to the amount of 100*l.*, and started in business in Middlegate Street with 150*l.* In 1903 his mother died, and he took 350*l.* under his reversion. Paying off the mortgage he was left with 175*l.* He had held his own, and was solvent then, when his total capital had been brought to 325*l.* In March 1904 he purchased the premises he occupied for 375*l.*, obtaining this amount from his bankers. Debtor proceeded to describe money transactions which led him into difficulties. As to his business, on the average he took 5*l.* per week, which was enough to give him a living, but his insolvency was due to bad trade, ill-health, and borrowed money; 421*l.* out of 434*l.*, that he owed represented borrowed money. He had always kept wholesale traders paid up. He had known he had been insolvent for two years or more. The examination was closed.

GAZETTE.

Partnerships Dissolved.

BOLSHAW, A. E., and **GREENHILL**, S. O., 13 St. Leonard's-Road, Bexhill, Sussex, chemists and druggists, under the style of "The Southern Drug-stores."

CRANSTOUN, C. B., and **DOWNES**, T. W. H., Ludlow, physicians and surgeons, under the style or firm of Cranstoun & Downes.

ROOKE, F. J. F., and **BOXALL**, W. F., 98 Fillebrooke Road, Leytonstone, Essex, dental surgeons, under the style or firm of Rooke & Boxall.

THOMSON, A. G. A., and **JACKSON**, W. T., Haydock, near St. Helens, Lancs, medical practitioners, under the style or firm of Thomson & Jackson.

WHITLING, H. T. M., and **LAING**, G. D., Market Harborough, and Husbands Bosworth, physicians and surgeons, under the style or firm of Whitling & Laing.

The Bankruptcy Acts, 1883 and 1890.

ADJUDICATIONS.

BEALE, A. A., Glenfield, Ringwood, medical practitioner.

PETERS, A. J. A. (described in the receiving order as James Anderson Peters), Moorland Road, Oldfield Park, and Claverton Buildings, Widcombe, physician and surgeon.

REES, W., Ashton Old Road, Openshaw, Manchester, lately Cannock Road, Park Village, Wolverhampton, formerly Gloucester Road, Horfield, chemist's assistant.

BIRTHS.

CALVERT.—At the Medical Hall, Ballyclare, on July 1, the wife of George Ruddell Calvert, Ph.C., of twins—a son and daughter.

HOGG.—At 1 Eglantine Avenue, Belfast, on July 3, the wife of Samuel Hogg, Ph.C., of a daughter.

MCCARTNEY.—At Adelaide Avenue, Coleraine, on July 7, the wife of R. F. McCartney, Ph.C., of a son.

MARRIAGES.

CARTER—SMALLMAN.—At the Catholic Apostolic Church, Bridgnorth, on July 6, Thomas Hanson Carter, chemist and druggist, Newport, Salop, to Ethel Smallman, of Bridgnorth.

CRAIG—LINTON.—At the Royal Arch Halls, Edinburgh, on July 6, Thomas Herbert Craig, W.S., to Nora Alexandra, youngest daughter of R. T. Linton, Ph.C., formerly of Edinburgh.

GOFF—WATERMAN.—At Croydon Parish Church, on June 29, Hugh, only son of Mr. Walter E. Goff, Ph.C., Wilmington Lodge, and of Horrell & Goff, chemists, High Street, Dartford, to Maude, second daughter of Mr. Edmund Waterman, Tower Road, Dartford.

MACDONALD—MACDONALD.—At King's Acre, Aberdeen, by the Rev. Wm. Cruickshank, U.F. Church, Inverurie, assisted by the Rev. Gavin Lang, Inverness, on July 6, Robert Macdonald, chemist and druggist, Inverness, to Georgina Andrews, daughter of the late Mr. John Macdonald, solicitor, Buckie.

SHEPARD—EVANS.—At Bidston Parish Church, on July 9, by the Rev. R. Evan-Jones, Vicar of Llanllwchaiarn, Mont. (uncle of the bride), assisted by the Rev. Canon Knox, Vicar of St. Anne's, Birkenhead, the Rev. C. Welland, Rector of Old Alderley (cousin of the bridegroom), and the Rev. T. M. Standing, Vicar of the Parish, Dr. Arthur Harold Shepard, of Chelford, son of the late Mr. Henry Shepard, "Oatlands," Wicklow, to Muriel Sandford, only daughter of Mr. William P. Evans, "Brentwood," Bidston, Birkenhead.

DEATHS.

CARROLL.—In Dublin, last week, Mr. Michael D. Carroll, Ph.C. Deceased passed the Licence examination of the Pharmaceutical Society of Ireland in 1907, and received the Society's gold medal. He had been in business at Boyle, co. Roscommon, and had also acted as dispenser to the Boyle Union and Dispensary.

CLARK.—At Tulse Hill, London, on July 6, Mr. John Clark, aged ninety. Mr. Clark had for twenty years been a pensioner of Messrs. Baiss Bros. & Stevenson, Ltd., Grange Road, Bermondsey, S.E., having entered the service of Mr. William Arnold Baiss and Mr. James Baiss in the year 1834, and was with them and their successors for nearly sixty years, being much respected by his employers and his fellow-workers. At one time he was particularly well known to the wholesale drug-trade on account of his acting as umpire in the cricket-matches between the Baiss Bros. C.C. and the elevens of other firms.

CUSHION.—Recently, Mr. Sherwood Cushion, chemist and druggist, High Street, Billingshurst, Sussex, aged seventy-one. Mr. Cushion, who died after six weeks' illness, was a native of Tonbridge, and served his apprenticeship there with Mr. Gower. He resided at Stanford-le-Hope, Essex, for twenty-one years, removing several years ago to Billingshurst, where he conducted an agricultural business.

CUTHBERT.—At 70 Cable Street, Lancaster, on July 7, Mary Ann Cuthbert, wife of Mr. J. E. Cuthbert, chemist and druggist, aged seventy.

JOHNS.—Recently, Mrs. Johns, wife of Mr. John Jeffery Johns, chemist and druggist, 184 High Street, Southampton, aged eighty-one.

MORGAN.—At Kidderminster, on July 4, Mr. Frederick Henry Morgan, retired chemist and druggist, aged seventy-three. Mr. Morgan was in business for over forty years as head of the firm of Morgan & Lawley, Kidderminster, which now belongs to Mr. Maurice Smith, J.P., Ph.C., F.S.M.C. The history of the business is of interest. It was established about 1791 by Perrins & Co., afterwards Lea & Perrins, of sauce fame. They were succeeded by Mr. Charles Hodgkinson, who subsequently went to London into the wholesale drug-business. Mr. Hodgkinson was succeeded by Mr. C. Julian, then Messrs. Morgan and Lawley, who were assistant and apprentice respectively with Mr. C. Hodgkinson, acquired the business. They carried on the business for about forty years, Mr. Smith acquiring it about three and a half years ago.

SHACKLEFORD.—At 18 Chillerton Road, Tooting Common, London, S.W., on July 6, Grace, wife of Mr. E. F. Shackleford, town representative of Messrs. Cresswell Bros., Red Lion Square, W.C.

SUTHERLAND.—At 1 Hampden Terrace, Mount Florida, Glasgow, on July 9, Mr. Robert Sutherland, of Munro, McLaren & Sutherland, druggists' sundriesmen.

WILFORD.—At The Crossways, Hughenden Road, High Wycombe, recently, Mr. Josiah Wilford, Ph.C., aged sixty-four. Mr. Wilford had been in indifferent health for some time. He was a native of Newport Pagnell, and went from Dover in 1883 to take over the business of Mr. E. Mawer, 7 High Street, High Wycombe. He retired about two years ago, disposing of his business to Mr. R. T. Wylie, chemist and druggist.

WINPENNY.—At West Hyde, Herts, on June 28, Mr. Frank Walker Winpenny, chemist and druggist, 170 Ferme Park Road, Stroud Green, London, N., aged fifty-nine. Mr. Winpenny, who had been under treatment at Mill House, Mill End, for nervous breakdown following a cycling accident, was found dead in a field, as reported elsewhere in this issue.

WILLS PROVEN.

MR. FREDERICK CHARLES HELLETT, chemist and druggist, 5 Lewes Road, Brighton, who died on May 17, left estate valued at 421*l.* 6*s.* 2*d.* gross, with net personality nil. Probate of his will has been granted to the Rev. Wm. Dawes Driver, Chatham, Kent, the sole executor.

MR. ROBERT KILPATRICK, chemist and druggist, 56 Morshead Mansions, Maida Vale, London, W., head dispenser for Messrs. Savory & Moore, Ltd., 143 New Bond Street, W., who died on June 5, intestate, left estate valued at 396*l.* 2*s.* 7*d.* Letters of administration have been granted to his widow, Mrs. Marian Kilpatrick.

MR. WILLIAM ALFRED TWINEM, registered druggist, 76 Chaworth Place, South Circular Road, and Peachmount, Harold's Cross, Dublin, who died on April 9, left personal estate of the total value of 4,737*l.* 9*s.* 1*d.* of which 2,300*l.* 10*s.* is in England. Probate of his will has been granted to his widow, Mrs. Kathleen Twinem, to whom he left the whole of his property absolutely.

MR. JOHN MACDONALD, manufacturing chemist, Brampton House, Langside, Glasgow, of Messrs. John Poynter, Son & Macdonald, of Glasgow, who died on March 25, left estate (personal) in the United Kingdom valued at 52,506*l.*, of which his interest in the firm of Messrs. John Poynter, Son & Macdonalds is valued for probate at 13,896*l.*, in addition to shares in various securities in the firms named.

MR. FREDERICK MACHIN, wholesale confectioner, Waltham, Oatlands, Surrey, and Broad Street, Ratcliffe, London, E., who died on April 16, left estate valued at 31,567*l.* 11*s.* 6*d.* gross, with net personality 28,874*l.* 9*s.* 3*d.* Probate of his will has been granted to his brothers, Mr. Stanley Machin, Cleeve, Oatlands, Mr. Percy Machin, Hatch End, Pinner, and Mr. Ralph Machin, Ismeir, Oatlands. The testator left all of his property to his children in equal shares.

MR. WILLIAM HEROD GIBSON, medicated-lozenge manufacturer, 30 Range Road, Whalley Range, Manchester, who died on May 26, left estate valued at 14,117*l.* 9*s.* 8*d.* gross, with net personality 11,297*l.* 0*s.* 5*d.* Probate of his will has been granted to his brother-in-law, Mr. Jas. Owen Harrison, cashier, 84 George Street, Moss Side, Manchester, and Mr. Henry Francis O'Brien, oil merchant, Hawthorne Bank, Grosvenor Road, Altrincham. With the exception of a few special gifts, the property is left to his wife during widowhood, with remainder to his children in equal shares, the shares of

his daughters being retained upon the usual trusts for their benefit.

Mr. THOMAS FURNESS, chemist and druggist, Jersey House, Chesterfield, who died on January 9, left estate of the gross value of £21,509*l.* 15*s.* 1*d.*, of which the net personalty has been sworn at £2,168*l.* 18*s.* 3*d.* Probate of his will has been granted to his widow, Mrs. Sarah Furness, his sons, Mr. Claude Arthur Furness, dentist, of Chesterfield, and Mr. Tom Edgar Furness, chemist, of Chesterfield, and Mr. William Jacques, Education Committee clerk, of Avondale Road, Chesterfield. The testator left the goodwill, plant, stock-in-trade, and book debts of his practice as a dentist and £20*l.* to his son Claude Arthur Furness, and he made a similar bequest of his chemist's business and £20*l.* to his son Tom Edgar Furness. He left £20*l.* to each of his sons Owen Cooper Furness and Bernard Jeffrey Furness, and 50*s.* each to his sister, Elizabeth Oliver, and his brother, Wm. Cooper Furness, £20*l.*, his personal effects and consumable stores to his wife, Mrs. Sarah Furness, absolutely, together with the use during widowhood of his household effects, an annuity of £30*l.* and the income from his Eyam and Stoney Middleton estates. He left various blocks of house and shop property to his several children, and the residue of his personal estate to his wife during widowhood, with remainder to his children in equal shares.

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday, July 3, Mr. D. M. Watson (Vice-President) in the chair. Messrs. Thomas Batt, G. D. Beggs (Hon. Treasurer), J. H. Bowden, J. E. Connor, Wm. J. Hardy, John Smith, and W. F. Wells were also present. The VICE-PRESIDENT said that Mr. Richard Blair, of Cork, had sent a telegram stating that he was sorry that he had missed his train.

CORRESPONDENCE.

Mr. FERRALL (Registrar) read the following letter :

Pharmacy Board, Brisbane,

May 11, 1912.

SIR,—I have the honour by direction to draw your attention to Regulation 49, made in pursuance with the Pharmacy Act of 1884 (Queensland), which grants the right to your pharmacists to registration here without examination, and to request that you be good enough to favourably consider the matter of granting similar permission to our pharmacists.—I have the honour to be, Sir, your obedient servant,

JOHN W. WARD, Registrar.

The Registrar was directed to send a reply to the effect that the Society regretted the impossibility of reciprocating, as they have no power to do so under the Pharmacy Act (Ireland).

The REGISTRAR stated that the following had notified changes in their addresses :

David Herriott, Ph.C., from San Francisco to 9 Castle Street, Nenagh, co. Tipperary.

Patrick Mallon, Ph.C., to 82 Hill Street, Newry.

Dr. M. M. McKenna, Ph.C., to Granmore, Eaton Square, Terenure, Dublin.

Timothy Arnold, R.D., from Church Street, Kells, to Virginia, co. Cavan.

Messrs. M. J. Cullen and W. J. McVeigh wrote submitting certificates from other bodies and were admitted to Preliminary registration.

THE PRELIMINARY AND PHARMACEUTICAL LICENCE EXAMINATIONS.

The VICE-PRESIDENT proposed in accordance with notice of motion :

(a) That on and after October 1, 1913, elementary theoretical chemistry, elementary physics and mechanics, and the rudiments of botany shall be omitted from the subjects of the Pharmaceutical Preliminary examination.

Provided that, this regulation shall not affect any candidate, rejected before said date, who on entrance had selected either elementary physics and mechanics or the rudiments of botany as the optional subject.

(b) That on and after October 1, 1913, all candidates for the Pharmaceutical Licence shall produce a certificate of having attended a course of theoretical chemistry consisting of not less than twenty-six lectures of one hour each at some

school recognised by the Pharmaceutical Council. The certificate shall state that the candidate has attended at least twenty lectures of the course.

The theoretical course required by this regulation shall be completed prior to entering on the course of practical chemistry required by Pharmaceutical Licence Regulation IV. (*vide* "Calendar," 1912, pp. 97 and 98).

The foregoing regulation shall not apply to candidates who have obtained their certificates of practical chemistry prior to October 1, 1913.

The VICE-PRESIDENT said these two motions were made as a result of the Council's desire to improve the two examinations; and they had also taken into account the recommendations made by Sir John Moore, the Government Visitor. He (the Vice-President) thought there was no doubt that these proposals would go to improve the examinations. In the first place, they proposed to take out all the elementary science from the Preliminary examination and to make it an examination in arts; and they had made provision so that no candidate who had entered on his studies and who had taken botany as his optional subject should be penalised. He thought the proposal should recommend itself to the students as well as to the licentiates. Of course, there were two points of view in all these cases of dealing with examinations—the students' and the Society's, which is the point of view of the efficiency of the examination. He thought these proposed regulations would appeal both to the students and to the Society generally. Under the second of the proposed regulations—they were insisting on a compulsory course of theoretical chemistry for the Licence examination. They had always wanted that, but under the existing compulsory 100-hours' arrangement they had found it difficult to get this course of theoretical chemistry. In fact, he thought he might say now that the Castle authorities refused to sanction a theoretical course before. However, by arranging to take this elementary science out of their Preliminary examination, as suggested by Sir John Moore, the authorities in the Castle would now, they believed, sanction the course of theoretical chemistry. He thought, taken all round, these two new regulations would improve the examinations both from the students' point of view and from the point of view of the efficiency of their examination. Sir John Moore's idea was that they should have an Intermediate examination, but the Council could not see their way to recommend that, and the present proposal was a compromise really between what Sir John Moore asked for and what the Council wanted.

Mr. HARDY seconded the motions. He thought it was very desirable that these changes should be made.

After some discussion the motions were unanimously adopted.

OTHER BUSINESS.

Dr. R. M. Bronte, M.P.S.I., was unanimously re-elected an examiner to conduct the Pharmaceutical and General Chemistry Division of the Pharmaceutical Licence examination. Mr. J. J. O'Driscoll, Ph.C., The Medical Hall, Bride Street, Kildare, and Mr. J. Copithorne, Ph.C., Hadden's Medical Hall, Skibbereen, were elected members of the Society; and Mr. Joel Green, Ph.C., and Mr. William Sinclair Taylor, Ph.C., were nominated for membership.

Reports were received from the Law Committee, the House Committee, the School Committee, the Certificates Committee, and the Declarations Committee, and were adopted.

The REGISTRAR reported the deaths of Dr. Henry Whittaker, Ph.C., Belfast, and of Mr. Henry Batt, registered druggist, Dublin.

July Preliminary Examination.

Nathaniel Ernest Sutton, Bandon, and William Moir Birmingham, Waterford, passed with honours. The following also passed : William George Cunningham, Dublin; James Tyrie Dewar, Dublin; Francis Sinton Jameson, Warrenpoint, co. Down; Edward Stinson, Greystone, co. Tyrone; David Alexander Rainey, Muckamore, co. Antrim; William Mullin, Portadown; John Michael O'Donoghue, Abbeyfeale; Francis Montgomery, Dublin. Fifteen candidates were rejected.

National Health Insurance.

INSURING EMPLOYED ALIENS.

Employed aliens are required to be insured in exactly the same way as British subjects, but no State grant is to be made in respect to such persons. The subject is dealt with in Leaflet No. 22, which should be obtained by those who are in doubt on the matter.

LOCAL COMMITTEES.

The Insurance Commissioners have issued a memorandum regarding the duties of local Committees. These follow closely the details laid down in the National Insurance Act, but the important announcement is made that the Treasury has decided to ask Parliament for a grant in aid of the initial expenses of local Committees. It is proposed to allocate to each Committee a sum of 100*l.* towards this object, in addition to the statutory income, which is estimated to be at the rate of 15*s.* per thousand insured persons.

SANATORIUM BENEFIT.

The method of administering the sanatorium benefit is described in a memorandum issued by the National Health Insurance Commissioners (England). It is issued for the guidance of Local Committees, and is the result of a Conference of the Commissioners with the Local Government Board, which in England has had entrusted to it the administration of 1,500,000*l.* allocated by the Finance Act 1911, for the purpose of making grants for building sanatoria for tuberculosis or such other diseases as it may be desired to attack in this way.

RATE OF REMUNERATION.

There may occur difficulties in connection with the relative proportions of the contributions of employer and employed person under the National Insurance Act, due to a misunderstanding of the expression "rate of remuneration per working day." This is not the same thing as the amount earned in any day—e.g., a man may earn 1*s.* 6*d.* for half-a-day's work when his rate of remuneration is 3*s.* a day. A special explanatory leaflet, No. 18, has been issued, dealing in detail with this question. This and other leaflets in the series are supplied free on application to the National Health Insurance Commission, Buckingham Gate, London, N.W.

PROVISIONAL COMMITTEES.

Mr. W. Smart, chemist, Buckhaven, has been appointed a member of the Provisional Committee for the county of Fife.

In reporting to the Kent County Council on the working of the sanatorium benefit under the National Insurance Act, a committee expressed the opinion with regard to drugs required (of the value of about 500*l.* per annum), that it would probably be best to arrange with local chemists for the supply.

At the first meeting at Exeter, on July 8, of the Provincial Insurance Committee for the County of Devon, Mr. P. F. Rowsell, pharmacist, Exeter, was elected on the Sanitoria and General Purposes Sub-Committee, and Mr. J. Taylor, chemist, Torquay, on the Finance and Establishment Sub-Committee.

PHARMACEUTICAL STANDING COMMITTEE ON INSURANCE.

A meeting of the Pharmaceutical Standing Committee on Insurance was held at 17 Bloomsbury Square, London, W.C., on Tuesday, July 9. The Chairman (Mr. P. F. Rowsell) presided, and there were also present Messrs. C. B. Allen, Edmund White, J. H. Cuff, F. J. Gibson, H. G. Greenish, A. Hagon, D. Arnott, E. Carpenter, R. Feaver Clarke, J. B. Francis, J. P. Gilmour, G. A. Hamer, J. F. Harrington, H. Kemp, G. V. C. Last, A. L. Milne, J. C. Pentney, J. F. Tocher, T. W. Townley, E. S. Waring, J. R. Hill, C. T. Cockburn, T. Guthrie, and the Secretary (Mr. W. J. Uglo Woolcock). The Chairman reported on the last meeting of the Executive Committee, and the Committee considered and approved the work done by the pharmaceutical members of the various Advisory Committees. The Committee considered

the position pharmacists would be in if the medical men decided to abstain from working under the Act, and a course of action to be followed in this case was agreed upon. The question of a tariff for the supply of drugs, medicines, and prescribed appliances was further considered, and the general principles on which the tariff should be based were discussed at length. A resolution was unanimously adopted remitting to the Executive Committee the task of obtaining further statistics of experience in England and Wales, and that the Scottish examples be calculated on the joint tariff basis. It was decided that, if necessary, the next meeting of the Committee should be held in Edinburgh during the Conference week, which begins on July 29.

NATIONAL PHARMACEUTICAL INSURANCE COMMITTEE OF WALES.

The second meeting of the Committee was held at the Raven Hotel, Shrewsbury, on July 10. There were present: Messrs. A. Hagon, Cardiff (Chairman), A. Gratte, Newport, A. Enoch, Monmouth Valleys, F. J. Nash, Montgomeryshire, C. G. Caldecott, Wrexham, J. L. Jones, South Carnarvon, M. W. Lloyd, Llandudno, J. W. Richards, Glamorgan Valleys, Leo Joseph, Cardiff, J. W. Adamson, Colwyn Bay, D. Arnott, Pontypridd, and James B. Francis, Wrexham (Hon. Secretary).

The following new representatives were admitted: W. J. Allen (Barry), F. J. Stanton (Breconshire), E. P. Wynne (Cardiganshire), Evan Jones (Llanelli), J. Blower (Radnorshire), Walter Lloyd (West Carmarthen), J. L. Jenkins (Pembroke County), and T. J. Pritchard (Anglesey).

The Chairman welcomed the new members, remarking that the Committee now represents the whole of Wales.

A letter was read from the Welsh Commissioners stating that the following representatives had been appointed on the County and County Borough Insurance Committees:

Radnorshire—W. W. Johnson, Llandrindod Wells.
Merionethshire—Hugh Jones, Blaenau Ffestiniog.
Anglesey—J. S. Thomas, Llanfairpwll.
Montgomery—A. Edward Ellis, Llanfair.
Brecknockshire—F. L. Stanton, Brecon.
Pembrokeshire—A. LL. Williams, Pembroke Dock.
Flintshire—J. Wynn Williams, Mold.
Carnarvon—J. McIntosh, Llandudno.
Denbighshire—J. L. Hunt, Colwyn Bay.
Carmarthen—W. Lloyd, Carmarthen.
Glamorgan—D. Arnott, Pontypridd.
Monmouthshire—A. Enoch, Blackwood.

County Boroughs.

Cardiff—A. Hagon, Cardiff.
Swansea—J. Davies, Swansea.
Newport—A. Gratte, Newport.
Merthyr Tydfil—R. P. Rees, Dowlais.

The suggested tariff for dispensing was discussed, also the question of proper and sufficient drugs and medicines and prescribed appliances. Mr. W. J. Uglo Woolcock addressed the meeting, laying before the members the present position of pharmacists with regard to the Act. The preparation of lists of persons, firms, and bodies entitled to go on the panel was discussed. Also the question of Welsh County Borders and English Borders. The next meeting is to be at Newport.

"MORE SECRET REMEDIES."—This book, which has been published by the British Medical Association this week, is the second series of "Secret Remedies," and embodies the articles containing analyses of proprietary medicines which have appeared in the "British Medical Journal" since the first volume of the book was brought out. This volume is noticeable, perhaps, from the fact that the analyses of pills are stated very cautiously, even in a case where the information is accessible to the public. The preface has also a special statement that "the estimated cost of ingredients of the various articles refer only to the ingredients, the cost prices being taken from a wholesale druggist's list; nothing is allowed for the cost of making up the ingredients into the form in which they are sold, or for bottles, boxes, packages, etc. Where the results of analysis are not sufficiently definite for the cost of the ingredients to be estimated with reasonable fairness, the figure is omitted." The book has a blue cover and sells at 1*s.*

WESTMINSTER WISDOM.

The Week in Parliament.

COURT OF REFERENCE.

Our Parliamentary representative is informed that those members of Parliament who are interesting themselves in the purity of food and other cognate matters will meet next week at the House of Commons, when the question of a Court of Reference will be further discussed.

VIVISECTION.

The Home Secretary has informed Mr. G. Lansbury, M.P., that he is at present in communication with the Royal Society and the Royal Colleges of Physicians and Surgeons with a view to the establishment of an advisory body on the lines recommended by the Royal Commission on Vivisection, but that pending the completion of the new arrangement he is continuing to consult the Society for the Advancement of Medicine by Research.

WOOLWICH ARSENAL CHEMISTS.

Colonel Seely, replying to Sir Philip Magnus, states that the total number of chemists in the Royal Arsenal, Woolwich, is sixteen, and the number of those who entered at a salary of 100*l.* or less is eight. No fixed increments are attached to the appointments, each case being considered on its merits.

NATIONAL INSURANCE ACT.

Questions in regard to the medical benefits were put to Mr. Masterman on July 10 by Mr. Locksley Lamson, Sir Philip Magnus, and Mr. William Peel. He replied to them on previous lines, pointing out to his querists the alternatives provided by the Act in the event of no arrangement being come to with the medical profession before medical benefit is due in January 1913. He also assured them that everything is being done to ensure that this part of the Act may not break down.

THE TREATMENT OF TUBERCULOSIS.

The Secretary to the Treasury informed Mr. Wright, M.P., in the House of Commons on July 8, that most registered medical practitioners have had experience of the treatment of tuberculosis. There are no data for estimating the number of those who have had special experience and possess special skill. The engagement of medical practitioners to attend insured persons suffering from tuberculosis will not usually be the function of Insurance Committees, and so far as it falls within their province to make such arrangements they will be made as occasions arise. Mr. Masterman further stated on Thursday, in reply to Mr. Wright, that on July 15 there would be fifty-seven tuberculosis dispensaries in England. In Ireland the provision of dispensaries is being rapidly put forward, and in Wales the work is being undertaken by the Welsh National Memorial Fund. Later on Mr. Grant announced that on this question he should that evening move the adjournment of the House in order that the matter should be discussed.

SPENT LIME AS DISINFECTANT.

In the House of Commons on July 9, Mr. C. Bathurst asked the President of the Board of Agriculture, in connection with the outbreak of foot-and-mouth disease, whether he would consider the advisability, during the prevalence of the disease, of having a stronger disinfectant used than spent lime, bearing in mind the fact that scientific experts declare its uselessness for killing the germs of the disease.—Mr. Runciman replied that he would inquire into the matter, and added that so far as they could they were taking the fullest possible precautions, and he did not believe that disinfection had ever been better done than at the present time. Carbolic acid is used, he said, in appropriate cases.

SCOTTISH PHARMACEUTICAL STANDING COMMITTEE.

Replying to Mr. Walter Guinness in the House of Commons on July 8 (see *C. & D.*, June 29, index folio 967), Mr. Masterman stated that the Pharmaceutical Standing Committee (Scotland) on National Health Insurance has no official status. Under Section 15 (5) it will be the duty of the Insurance Committee in each area to make arrange-

ments, subject to the regulations of the Commissioners and the Joint Committee, for the supply and dispensing of drugs and medicines. The panel of chemists will be prepared by the Insurance Committees, subject to appeal to the Commissioners, and due consideration will be given to any representations made either by any committee of chemists or by individual chemists. Section 15 of the Act secures the right of every duly qualified chemist to be placed upon a panel. The Commissioners have issued no circular to chemists and have asked for no voluntary contributions from them.

THE ALKALI MANUFACTURERS AND GAS COMPANIES.

The Alkali Manufacturers' Association again appeared in opposition to Gas Bills before Lord Clinton's Select Committee of the House of Lords on Monday, and succeeded in getting protective clauses inserted in the measures concerned. In the case of the Bill confirming an Order granted by the Board of Trade to the Swansea Gas Co., the claim for a protective clause was strongly contested by the promoters. Mr. Balfour Browne, K.C., explained that the Order related to the construction and maintenance of further works. There were a number of small companies in the neighbourhood of Swansea which were unable to work up their own residuals, and if the company were now restricted to dealing with their own residuals those smaller companies would be placed at a disadvantage. Mr. Fitzgerald, K.C., submitted, on behalf of the Alkali Manufacturers' Association, that a concern with statutory advantages ought not to be allowed to compete with ordinary trades. The company's proposal empowered them to purchase the by-products of other companies and use a large plant for the manufacture of sulphate of ammonia, thus competing with alkali manufacturers. Counsel quoted the contested cases in which Parliament had already prohibited gas companies from dealing with any but their own residuals. The Committee agreed to insert a protective clause for the alkali manufacturers, and made it applicable to the whole of the undertaking of the company, and not merely to the new works. Mr. Balfour Browne therefore announced that the company would consider whether they would take the Bill at all under these circumstances, as it deprived them of a power which they at present possessed. The Committee intimated that their decision should be made to apply to the West Kent Co.'s Bill.

POISONING FATALITIES.

Belladonna.—The death of Mr. F. H. Morgan, retired chemist (see index folio 43), was found at an inquest to be caused by taking belladonna liniment while deceased was in an irresponsible state of mind. The doctor who was called in was doubtful as to whether the belladonna caused the death, but the jury returned a verdict as given above.

Opium.—An overdose of opium was returned as the cause of the death of Dr. P. J. Moran, Breck Road, Wallasey. The drug was taken with the intention of producing sleep.

Oxalic Acid.—The Northampton Borough Coroner held an inquest on July 4 on Frederick Waterfield, who died from oxalic-acid poisoning. Mr. Charles Senior, chemist, said that he sold the oxalic acid, for which there is much demand in local industries.—Another death from poisoning by oxalic acid took place in Northampton, a widow named Charlotte Letts dying on admission to the hospital after taking a large quantity of the poison. Mr. George Ingle, chemist, identified the label on the package, but could not identify the deceased as the woman to whom he sold the poison. The Coroner said that the label was in conformity with the Act. A question arose at the inquest as to the refusal of a doctor to attend the woman.

Salt of Lemon.—Isabella Hunter, Drumdryan Street, Edinburgh, died in the Royal Infirmary on July 4 from the effects of poisoning by salts of lemon.

Veronal.—At West Hartlepool, Wm. Gallagher committed suicide by taking veronal. He left a note stating that he was taking 165 grains of the hypnotic. He had made a previous attempt at suicide.

Weed-killer caused the death of Alex. Graham at Uddington, on July 8. The liquid was given to him by a gardener named John Ferguson in mistake for whisky. Ferguson was arrested.

TRADE NOTES.

THE telephone number of Messrs. H. E. Stevenson & Co., wholesale and export druggists, 122 Great Suffolk Street, London, S.E., is "1831 Hop."

THE D.D.D. Co., Ltd., Shoe Lane, London, E.C., inform us that in their advertisement in our issue of June 29 they gave the price of their soap incorrectly at 8s. 2d. per doz. It should be 9s.

MINIMUM PRICES.—Messrs. A. Rowland & Sons, 67 Hatton Garden, London, E.C., give in their advertisement in this issue a revised list of wholesale and retail prices of their well-known toilet specialities—Macassar oil, Kalydor, and Odonto, which all buyers should note.

THE UCAL WORKS were removed last month from Sheffield to the new premises at Cheltenham. The removal was done under the superintendence of Mr. Bolshaw and Mr. Cadge at the Sheffield end and the work was done expeditiously in suite of a strike of packing-room hands.

MESSRS. T. FERRY & SON, Park Lane Glass-works, Gateshead-on-Tyne, have formed their business, for family reasons, into a private limited company. Mr. T. W. Ferry being the managing director. Mr. Ferry has had the control of the business since the death of Mr. T. Ferry in 1908.

SARGOL SELLS.—The Sargol Co., 124 Holborn, London, E.C., state in their advertisement in this issue that since January 1 one chemist has sold over 800^t. worth of Sargol—a preparation for making thin people fat. The same advertisement gives the trade terms, and invites application for showcards and booklets. The reasons for keeping Sargol in stock are also stated.

PERFUMERY LIST.—No. 4 list, issued by Messrs. F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N., contains particulars of the special brands of perfumery and toilet-articles made by the company. These include Grant et Cie.'s and Corbyn, Stacey & Co.'s perfumes, the "Hansa-Platz" eau de Cologne, and many other good lines. A few counter specialities are also included.

MICRO-TELESCOPE.—The introduction of this combined telescope, microscope, and short-distance glass by Raphael's, Ltd., Hatton Garden, London, E.C., has been referred to in this journal. The demand which has been created by advertisements in the daily papers and journals favoured by boys has increased so much that it is almost imperative that a stock should be kept by all chemist-opticians—at least the question of losing sales has to be considered. Showcards and booklets about the micro-telescope are supplied to dealers.

NEAVE'S FOOD.—With regard to the increased price of this article, to which reference has already been made, and the consequent adjustment of retail prices by leading firms, Messrs. Josiah R. Neave & Co., Fordingbridge, regard this as an opportune time for retailers generally to increase their prices rather more than was suggested in their previous circulars, in order that they may secure a reasonable profit. There appears to be a universal desire on the part of distributors to abandon the ridiculous cutting which has been apparent of recent years, and it is by taking advantage of such opportunities as this that retailers can get back their own again.

"EVANS' JOURNAL."—The first issue of this new publication, issued by Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool and London, has just come to hand. The literary pages are thirty in number. Tuberculin and vaccine therapy are succinctly reviewed, and illustrated descriptions are given of how to conduct Calmette's reaction and methods of preparing blood-specimens for diagnosis. Articles are also included on standardisation of drugs and on cell proliferants. The editors in their introductory announcement state that it is not their intention to fill the journal with advertisements of the company's specialities, but to give as briefly as possible notes on medical and pharmaceutical subjects which have come under their notice in the course of daily business. The subject-matter in the first issue is well chosen, and our readers will find the pages helpful in aiding

them to keep pace with the march of modern chemical and biological science. Copies can be obtained from the company free on application.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MR. FÉLIX VARALDI-TOUREL, son of Mr. F. Varaldi, Cannes, has been appointed Vice-Consul to the Netherlands.

MR. F. G. BROWN, B.D., B.Sc., second son of Mr. J. F. Brown, Ph.C., Dover, has been appointed Director of Studies and Professor of Mathematics at the New Royal Australian Naval College.

COUNCILLOR HENRY M. LLOYD, chemist and druggist, 28 Victoria Street, Merthyr, was, as Deputy-Mayor of Cardiff, presented by Lord Merthyr to his Majesty King George V. during his recent visit to South Wales.

MR. RAYMOND CARTER, son of Mr. W. Carter, chemist, Cross Street, Oswestry, had the degree of Master of Science conferred upon him at the Degree Congregation held at Birmingham University on July 6.

MISS ELSIE CHRISTINE HANSON, elder daughter of Mr. C. Hanson, Ph.C., 4 Aigburth Road, Cressington, Liverpool, was granted the degrees of Bachelor of Medicine and Bachelor of Surgery of Liverpool University at the ceremony held on July 6.

MR. J. W. DRYSDALE, of 15 Fish Street Hill, London, E.C., who some time ago had rather a severe attack of typhoid fever, has now thoroughly recovered from it, and for some time has been back to business. He visits "Change" regularly, looking keenly after business; in fact, he appears to have obtained a new lease of life.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

THE TIMOTHY WHITE Co., Ltd., are about to erect new business premises in High Street, Camberley, Surrey.

MR. PUGH DAVIES, chemist and druggist, announces that his pharmacy at 25 High Street, Haverfordwest, is now open.

MR. W. C. FORD, chemist and druggist, 80 Woodgrange Road, Forest Gate, E., has disposed of his business to the manager, Mr. J. Middleton.

MR. J. P. PORTEUS, M.P.S., has disposed of his business at Carnforth, Lancs, through the agency of Messrs. Brett & Co., to Mr. A. Colbeck, of Liverpool.

MR. J. MILNER, chemist and druggist, 342 High Street, Stratford, E., has disposed of his business to Messrs. Marshalls, Ltd., 78 High Street, Kingsland, N.

MESSES. DAUBE, HENCKEL & Co., Hamburg, intimate that their business has been taken over as from July 1 by Mr. Walter Ritter, who has been procurator of the firm.

MR. GEORGE CHAMBERS, who terminated his connection with Messrs. Burkett, Sharp & Co. in June, is carrying on business as George Chambers & Co., raw-produce brokers, at 9 Mincing Lane, London, E.C.

MR. W. H. ROBINSON, chemist and druggist (Cox & Robinson), Stony Stratford, has retired from this business, which he has carried on for fifty years. It will be carried on under the old style by Mr. J. Maclean, chemist and druggist, who has been associated with the business for the past twenty-eight years.

JAPANESE PEPPERMINT.—The British Vice-Consul at Hakodate reports that the Hokkaido district is one of the chief centres of peppermint cultivation in Japan, the annual value of the crop being about 60,000^t. The steady progress made in the cultivation of peppermint may be seen by the following figures showing the quantity and value of the production in recent years: 1903, 774,584 lb.; 1908, 13,963,752 lb.; 1909, 14,309,072 lb.; 1910, 23,980,126 lb.

SCIENTIFIC PROGRESS.

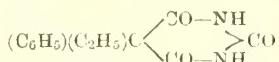
Temperatures under this heading are on the Centigrade scale.

Chavosot ($C_6H_5C_6H_5OH$), a new dental antiseptic, is the methyl ether of estragol. It is an aromatic fluid, which crystallises at 15.1° and boils at 229° .

Chineonal is a new drug introduced by Merck, consisting of a patented combination of veronal (diethyl-barbituric acid) and quinine, containing 63.78 per cent. of quinine and 36.22 per cent. of veronal. It is a white crystalline powder, melting at 132° , and soluble in 500 parts of cold water, 3 of alcohol, or 12 of chloroform. It is recommended as a hypnotic and antipyretic in cases of typhus, influenza, and similar complaints.

Standardising Indian Hemp.—The Therapeutic Subcommittee of the British Medical Association have had submitted to them a report by Messrs. C. R. Marshall and J. K. Wood on the standardisation of preparations of Indian hemp. The report, which is printed in the "British Medical Journal," is an investigation of the value of the acetyl number which a previous research had indicated as likely to offer the basis of a chemical or physical standard. Many acetyl numbers were determined, but it was found that there is a marked divergence between the pharmacological activity and the acetyl number, which indicates that this method cannot be used as a substitute for physiological standardisation.

Phenyl-Ethyl-Barbituric Acid.—This body is veronal with one of the ethyl groups replaced by a phenyl group, of the formula—

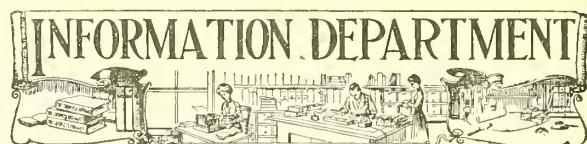


It has been put on the market under the name luminal, and as a soluble sodium salt as luminal-sodium. Luminal is a white, odourless, slightly bitter, crystalline substance, melting at 170° - 172° . It is soluble in organic solvents, but practically insoluble in cold water. The sodium salt is easily soluble in water. It is an active narcotic.

Belladonna in France.—Since belladonna has almost disappeared from France, large quantities are imported from Germany, Austria, and Italy. The imported article is usually termed "Italian belladonna," but M. Lemeland finds that the article, usually sold in a pulverised state, is frequently adulterated with leaves of *Aitantz glandulosa*, and less frequently with those of *Phytolacca* and *Scopolia*. Dr. Guépin, Surgeon of the Péan Hospital, in a paper read before the Paris Academy of Medicine, spoke of belladonna extract as a fickle medicine on account of being at times adulterated. He considered that the use of extract of belladonna should be avoided, because its favourable action in the treatment of disease has yet to be shown.

Estimation of Geraniol in Citronella Oil.—Justin Dupont and Louie Labaune ("Bull. Rouse Bertrand Fils," April, pp. 3-7) give a method for the direct estimation of geraniol in citronella oil. The citronellol present is first fixed by converting it quantitatively into the oxime by means of an aqueous solution of hydroxylamine. The oxime on dehydration with acetic anhydride is converted into citronellone nitrite, which withstands the action of concentrated alcoholic potash. Thus the oil, after treating with hydroxylamine solution, can be separated and acetylated in the usual way, the amount of alkali used up by hydrolysis corresponding to the amount of geraniol present. The authors note that acetylisable compounds distilling at a higher temperature than geraniol are present in citronella oil.

Barium-sulphate Assay.—The demand for an extra pure barium sulphate free from soluble barium salts, for x-ray diagnosis, has been referred to in the *C. & D.* The following is the standard of purity adopted by the firm of E. Merck, Darmstadt: Ten grams of barium sulphate is heated to boiling with a mixture of 10 c.c. of glacial acetic acid (sp. gr. 1.064) and 90 c.c. of water, filtered, and 50 c.c. of the filtrate evaporated to dryness on a water-bath. The residue is dissolved in 20 c.c. of water and filtered. If a few drops of dilute sulphuric acid is added to the filtrate it should not yield a precipitate of barium sulphate within the course of an hour (absence of soluble barium salts and barium carbonate). Twenty-five c.c. of the acetic-acid extract should not be affected by hydrogen-sulphide solution (absence of heavy metals). If 2 grams of barium sulphate and 10 c.c. of nitric acid (sp. gr. 1.149 to 1.152) be heated to boiling and filtered, the filtrate should not, after the addition of solution of ammonium molybdate, yield a yellow precipitate within an hour (absence of barium phosphate). A mixture of 2 grams of barium sulphate with 10 c.c. of stannous chloride solution should not assume a dark colour in the course of an hour (absence of arsenic).



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMUS LONDON."
Telephone No.: BANK 852 (two lines).

INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

- 236/7. Choline: makers.
- 237/47. "Selmo" feeder.
- 235/42. "Cimarosc" soap.
- 230/49. "Cody" perfumes.
- 235/35. Faire's water glass.
- 234/470. Nurse Scott's pills.
- 231/681. Bethesda corn-cure.
- 232/16. "Idalic" face-powder.
- 236/8. "Stasmosan": suppliers.
- 230/73. "Aesco" perfume-holder.
- 234/47. "Urak": where obtainable.
- 237/48. "Goruri Lily" toilet-paper.
- 236/9. "Platen" system for diabetes.
- 231/68. Hooper's electro-galvanic socks.
- 232/34. Chapman's Australian pine-salts.
- 234/50. Lerch's magneto medical hair-brush.
- 231/680. Van Abbott's anti-constipation pills.
- 234/42. Victor Hollick's coca and damiana globules.
- 234/420. Stubb's enamel-cleaners and manicure-files.
- 237/46. Elastic stocking marked three circles in a star: makers.
- 234/74. "Ray" heel plates (discs for wearing inside boots for rheumatism).

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- Al shaving-sticks, 235/20
- Antileprol, 230/7
- Automatic weighing and packing machines, 235/25
- Battle's vermin-killer, 235/69
- Ben Levy's Lablache face-powder, 229/62
- "Bisol" court-plaster, 234/41
- "Boule de Nancy," 236/10
- "Car-ma-me," selling agents, 231/26
- "Chin-Chin" marking-ink, 234/47
- "Colalin" tablets and powder, 236/54
- Colloidal mercury, 231/68
- Compound liquorice-powder, 231/44
- Coton Iodé, 235/48
- "Cyclamen" perfume, 233/61
- Eau de Dentifrice, Dr. Pierre, 229/62
- Eye-glass cord (makers), 232/9
- "Fazenda" tricolor, 231/14
- "Grasshopper Ointment," 230/22
- "Gyrol," 231/61
- Kuromoji oil, 231/32
- Lavender-bags, 235/34
- Liq. caudophyllin et pulsatilla, 236/7
- Macaura's (Dr.) Pulsocon, 233/36
- Milk-sugar, English and Continental makers (American inquiry), 231/22
- Monroe's elastic bandages, 234/30
- Mortars, cast-iron (makers), 234/24
- Nauheim bath-salts, 230/31
- Newlandite (Continental inquiry), 236/2
- Nurse Margery's soothers, 233/39
- "Nymol" headache-cure, 234/470
- "Offord" hygienic truss, 235/62
- Ovoids, 234/10
- Oxygen generators, 236/6
- Paraphenylenediamine (in solution), 233/11
- Phospho-lecithin (Wampole), 235/23
- Phthisoremid, 229/62
- Pinettes, 236/5
- Pneumosan, 236/44
- Reducinc, 236/6
- Reeve's "Curot" ointment and "Foot-Rot" shoes, 237/31
- "Santyl" capsules, 234/51
- "Shavo" cream, 236/4
- Sibley's pumice-stone (agents), 231/18
- Tablet maeachines, 234/52
- Travser's cod-liver oil, 231/680
- Tremol, 233/60
- United Drug Co., Ltd. (address), 232/4

COCHIN-CHINA CARDAMOMS.—The exports of cardamoms from Saigon during 1911 amounted to 161 tons, valued at 42,826L.

OBSERVATIONS & REFLECTIONS

By Xrayser II.

The Further Examination of Mr. Harrison,

reported last week, was important for the light it threw on the "Secret Remedies" publications. It was elicited that the analyses given in these books are not exhaustive, that in some cases an exhaustive analysis is impossible, and that manufacturers have virtually no defence against false or insufficient analysis except by publishing the full formulae of their preparations, which it is, of course, contrary to their interest to do. Mr. Harrison was singularly fair and reasonable, and fully deserved the compliments of the Committee, but there is one point in his evidence which invalidates a good deal of it. He did not explain, and it is really inexplicable on any ground discoverable in this inquiry, why it is objectionable to advertise "Smith's Mixture" as a cure for colds if it is actually a cure. Call it ammoniated tincture of quinine, and he admits that the objection vanishes. But why? The only reason he alleges for insisting on the publication of the formula is the prevention of exaggerated claims, but if the claim is the same in both cases this does not apply. One can only suppose that even so fair-minded a man as Mr. Harrison is not proof against the prejudice of the specialist.

"If Makers can Persuade Doctors

that their preparation is better than any other the doctors will use it." So said Mr. Harrison, and I agree with him. I know also that he is right when he says that Hewlett's Bismuth and Pepsin Mixture has a great sale among dispensing doctors, who will not look at imitations and substitutes, even if they can be bought at less than half the price. This is true not only of Hewlett's but of scores of other makers' preparations, and so well known that I am certain that medical men generally, when they come to administer the Insurance Act, will deeply resent any restriction being placed on their liberty to prescribe what they like. You reported a week or two ago that a resolution had been passed asking that drugs for prescription under the Act should be confined to those mentioned in the British Pharmacopœia and the "B.P. Codex," but as nothing further has been reported, I assume that this unwise movement has come to an end. Nothing would sooner arouse resentment among insured persons than the impression that they must be content with substitutes and imitations, while those who can afford to pay for their medicine will get the real thing.

Poetic Licence

may be a sufficient excuse for an occasional aberration in the use of words and the placing of accents, but the author of the clever and amusing verses on "Glycobac" which you printed last week abuses his privilege. As Dizzy said of the mayor's Latin, it is not the quality but the quantity of his verse that I complain of. He turns *aurum* from a spondee into an iambus, and accents "alembic," "bacillus," "sclerosis," and "vertigo" (!) on the first syllable. "This is coming it rayther too rich, as the young lady remarked ven the pieman sent her a pie as vas all fat." It is true there has always been a tendency in English thus to throw back the accent, but a poet, of all men, should be the last to do it, since almost always it means a loss both of sonority and of significance. "The man who says 'bálcóny' for 'balcóny,'" Landor declares, "would murder you for

eighteenpence." What a nation of thickies we must have become!

The Provisional Insurance Committees

throughout the country are not to be left without expert assistance in working the Act so far as pharmacists are concerned, and everyone interested is to be congratulated on the results so far achieved. Mr. Neathercoat naturally wants to give some of the credit for this to the Council, and he may make whatever capital he likes out of the indirect influence the Council may have exerted. I fancy, however, that he assumes too much if he thinks that the Provisional Committees will have anything to do with questions of remuneration. They may have a say in the formation of panels of chemists, though I understand that every pharmacist in business may be on the panel if he so desires; but as to remuneration, I take it that there must be a national scheme, or at least not more than three schemes—English, Scottish, and Welsh—and the Provisional Committees can only have the faintest possible opportunity of influencing these in any way. The Advisory Committee are more likely to have a say in the fixing of the scales, and we are fortunate in having on that committee practical men like Messrs. Gilmour and Woolcock.

The Jacob Bell Scholarships

ought to be as popular as the Fairchild, and yet the average number of candidates for the former is less than one to five for the latter. It cannot be denied that the actual value of a Bell scholarship is just as great as that of the other, while the prestige attaching to it and the potentialities for the future are much greater. It is possible that one cause for the lack of popularity may be the necessity for attendance at "the Square," but I hardly think so: if young men were sufficiently far-seeing they would welcome such an opportunity. A two years' course at "the Square" is not only something to be proud of, but it is an asset of great value, particularly in view of the fact that such a curriculum carries with it substantial privileges in connection with the Institute of Chemistry. There must be other causes than this, and one was hinted at by the President in the discussion last week. It is really extraordinary, if, as stated by him,

Young Men Trained by Hospital Pharmacists

are not eligible as candidates for the scholarships. I have just referred to the regulations, and only the most narrow interpretation would exclude a candidate on that ground. A strict reading of the conditions would equally bar young men trained by a pharmacist connected with the wholesale trade, or young men apprenticed in the pharmacy of a limited company; and as it is impossible to differentiate between one company and another, it follows that an apprentice trained, for example, by Symes & Co., Ltd., Liverpool, would not be allowed to compete. This *reductio ad absurdum* shows the unfairness of such a regulation. It is surely high time it was altered, and I hope that when the time comes Dr. Symes will have changed his attitude and be broadminded enough to support the demand for alteration.

BUSINESS KNOWLEDGE is essential to everyone connected with the retail drug-trade. It helps to turn examination knowledge into money. A great aid to getting business knowledge is our book entitled "Opening a Pharmacy," published at 2s. 6d. (by post from 42 Cannon Street, London, E.C., 2s. 9d.). It may be obtained from most wholesale houses at the published price.

FLYCATCHERS are useful,
But **PREVENTION** is better.

"SANITAS-BACTOX"

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1/- Bottles and 5/- per gallon.

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"Replying to 'Badger,' my house was swarming with flies . . . until last year I obtained from the 'SANITAS' Co. a preparation they recommended called 'SANITAS-BACTOX.' I used to sprinkle my manure pit two or three times a week with this preparation (diluted 1/250) **and that stopped the flies breeding;** and during all the hot, dry summer the stables have been comparatively free from these disease-spreading creatures."

(FIELD, November 4, 1911.)

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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No. 2 Pure CRUSHED LINSEED	28/- cwt.	PUMICE POWDER	35/- cwt.
Best Cleaned LINSEED	28/- cwt.	Extra Finest Levigated PRECIP. CHALK	25/- cwt.
EPSOM SALTS, E.S.S.	11/6 cwt.	No. 1 Finest Light Pure STARCH POWDER	22/- cwt.
Purified, Clean, and Dry Ditto, Medium Crystals	12/6 ..	Fine Pure TOILET OATMEAL SPECIAL	32/- cwt.
FLOWERS OF SUL-PHUR, Finest English Ditto, Foreign	13/6 cwt.	Fine Levigated "WHITE EARTH" (Toilet purposes)	18/- cwt.
FULLER'S EARTH (In Dredgers)	9/6 ..		
	1/2 & 6/6		
	5/611/-22		

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The IDEAL SOAP for NURSERY, TOILET, BATH and SHAVING—antiseptic and soothing—contains no colouring matter or strong perfume.

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Editorial Articles.

Insurance Medical Benefit.

A SUPPLEMENT to the "British Medical Journal" of July 6 contains a report of the Council of the Association to the Annual Representative Meeting regarding the negotiations between the Association's representatives and the National Insurance Act authorities. In the result the matter is practically where it was before the negotiations commenced, in so far as the Association has not convinced the Chancellor of the Exchequer or the Commissioners that the Association's proposed capitation fee of 8s. 6d. per annum for medical attendance, exclusive of certain extra services and the cost of provision of drugs and appliances, is just or justified. It has, however, been agreed, as already reported in THE CHEMIST AND DRUGGIST, that the account books of medical men in Cardiff, Darlington, Darwen, Dundee, Norwich, and St. Albans should be examined by Sir William Plender, who has recently vacated the chair in the Incorporated Society of Chartered Accountants, and upon the result will depend any future negotiations between the Association and the Chancellor or Commissioners. Sir William has already commenced the work, and was in Dundee last week, where he and a staff of about twenty clerks were put up at the Queen's Hotel. They are now in Cardiff examining the account books of the medical men there. The report of the Council of the Association gives full details regarding all the points

of the negotiations, the present position of the Association being summarised in a letter from the Commissioners dated June 26, printed in full, to which observations by the State Sickness Insurance Committee are appended. The letter deals with (1) income limit, (2) free choice of doctor, (3) administration of medical benefit, (4) method of remuneration, (5) amount of remuneration, and (6) adequate representation—the "cardinal points" of the medical demand. As regards the amount of remuneration, the Commissioners say :

On full consideration of all the information already in their possession, the Government would be willing, assuming the cordial co-operation of the profession in the working of the Act to be assured, to advise Parliament to make extra provision for meeting the cost of medical benefit beyond that originally assumed in the actuaries' calculations; but the Government, after giving due regard to the facts and arguments submitted by the British Medical Association in their memorandum a fortnight ago, can hold out no hope of such provision being made as would yield for medical remuneration the amount now demanded by the Association—viz., 8s. 6d. per insured person per annum for ordinary medical attendance only, to which is to be added payment to the doctor for extra services, and to which must again be added the cost of provision of drugs and appliances.

Observations are added in the letter to the effect that medical attendance on 12,000,000 people by 22,000 practitioners would yield, on a basis submitted by the Association, 300*l.* per annum to each doctor, while amounts derived from other services would bring the income up to 1,100*l.* per annum, and out of this sum the practitioner would not have to meet any expenditure for drugs. To this the Committee reply that only 23*l.* is based on a certainty, the other 67*l.* being based on a hypothetical figure, and they advance other reasons to refute the statements in the official letter. The Commissioners' letter contains the following statement as to dispensing :

On the subject of dispensing by medical practitioners referred to in the concluding paragraphs of the Association's letter of February 29, the Commissioners have power under the Act to permit Insurance Committees in exceptional cases to arrange with medical practitioners for supplying medicines and drugs. This power, however, could not be exercised in such a way as to convert what Parliament intended to be the exception to the rule.

As to this the British Medical Association's Committee say :

No concession has been made upon this point. Dispensing by practitioners is apparently only to be allowed in exceptional circumstances. The Commissioners entirely fail to appreciate the inherent difficulties of the proposed abolition of dispensing by medical practitioners.

In connection with the whole matter we have officially received a copy of a letter which the Chancellor of the Exchequer has addressed to a medical correspondent. We give this in full consequent upon the importance of the declaration :

11 Downing Street, London, S.W.,

July 9, 1912.

DEAR SIR.—In reply to your letter, I fully appreciate the anxiety which you and many other members of the profession feel as to the present position with respect to the Insurance Act. Such anxiety is only natural when those engaged in any calling are faced with such a great change in the conditions of work with which they are familiar as the Insurance Act must inevitably produce in the case of the medical profession. At the same time a great deal of the uneasiness at present felt by some members of your profession rests, I am sure, on misunderstanding of the position, and I shall be glad if, by this letter, I can do something to clear matters up.

In the first place, I am surprised to learn that there is an impression in some quarters that the Government are not desirous of coming to terms with the doctors. This is entirely wrong. We have never wavered in our belief that the cordial co-operation of the medical profession is necessary in order that the best results may be obtained from the Insurance Act, and we are prepared to do all in our power to secure that co-operation. The only practical ques-

tion is whether that co-operation can be secured by anything that it is in our power to do. Although public opinion will be most desirous that we should come to terms, it certainly would not countenance acceptance of every demand that might be made, and the same is true of Parliament.

Looking through the points originally put forward by the British Medical Association twelve months ago, it seems to me that substantially only two remain outstanding. The others have, I think, been in the main conceded, although in some cases adjustment may be desired in the framing of regulations on which there should be little difficulty in coming to an agreement.

The two chief points that seem to me to be outstanding are the question of remuneration and the question of the income limit. As regards the subject of remuneration, I have said—and I repeat—that the Government are prepared, as part of a general settlement, to recommend Parliament to increase the amount available for remuneration of those doctors who take part in the formation of panels. It is true that I have had to make clear that I did not expect to be able to meet the demands put forward by the British Medical Association for 8s. 6d. per head, exclusive of drugs and of a long list of extras. I feel sure, however, that this demand was put forward without fully realising what it meant. In private practice doctors know the amount they receive from those they actually attend, and they find it difficult to realise what would be the effect on their income if they were paid a fixed sum per head per annum in respect of a large section of the population whether they actually attended them or not. I hope that the inquiry which Sir William Plender is now carrying out will serve to remove this cause of misunderstanding once and for all.

As to the income limit, everything depends on what the demand of the profession on this point really means. The Government, supported by Parliament, hold that this question must be settled locally, in order that due regard may be had to local conditions, and the Act is so framed accordingly. But, even if it were legal, the Government could not agree to the proposal that any powers conferred on the Insurance Commissioners should be exercised to coerce the Insurance Committees in the exercise of the discretion secured to them by the Act in this respect. So far as I can ascertain, no responsible political leader on either side has been prepared to support such a proposal.

I hope that, as I have suggested to the British Medical Association, the forthcoming Representative Meeting will appoint a committee with authority to negotiate with me in a practical spirit. I am convinced that it will be a misfortune both for the country and, if you will allow me to say so, not less for members of your profession if we are unable to come to terms. I still believe that the most satisfactory way of working the medical service under existing conditions will be by the system of free choice of doctor by patients, with the various safeguards for the profession which were inserted in the Act at the request of the British Medical Association. If unfortunately this is found impracticable, I do not doubt that the insured will be able to obtain medical attendance either under other arrangements made by Insurance Committees or by arrangements which they themselves will make by means of the money supplied from the insurance funds. But I am convinced that if we were driven to this way of doing things it would not be so satisfactory from the public point of view, and it would certainly be less remunerative and in every respect less advantageous to the profession than the arrangements that we can make if we come to terms.

I am, etc.,

(Signed) D. LLOYD GEORGE.

Chemists and druggists have an interest in these negotiations and the apparent *impasse*. As yet they have not had to fight for remuneration, but it may still have to be done, and is apparently not left out of account by the Pharmaceutical Standing Committee, who are quite alive to the dangers and difficulties of the situation, as well as the possibilities that the Act affords for giving the pharmacist his own in regard to dispensing practice. The meeting of the Committee in London on Tuesday is reported elsewhere in this issue. The Committee is certainly more alive and better informed regarding the pharmaceutical possibilities under the Act than is the rank and file of the trade, and we presume that the suggested readjustment of the financial provisions for medical benefit is one of the reasons for the proposed inquiry as to prices which are obtained by chemists in England and Wales for working-class dispensing. Data

of this kind are as essential for consideration of the chemist's case as is Sir William Plender's inquiry for the doctor's fee, and we trust that all dispensing chemists, wherever situated and however humble, will assist in the inquiry, as to which full particulars will be available soon, we presume.

Citric Materials.

THE report of the Camera Agrumaria for the year ending November 30, 1911, as presented to the Italian Minister of Agriculture, has now been issued. It states that the year 1910 was a period of recuperation, in which the efforts of the Camera were directed to stimulating sales which owing to a variety of circumstances had fallen in 1909 to a very low level. The year 1911 has been characterised by great prosperity, which still prevails, and the Camera, largely owing to reduced production, has been able to overcome rapidly the grave difficulties in which it found itself, maintaining its credit both regarding external and internal trade. The best proof of the changed situation is to be found in the price of citrate of lime in the home market (Italy). It has risen from the low level of 100 lire per quintal to about 150 lire, to-day's quotation, without the Chamber having made any noteworthy change in the selling price, which for two years has been fixed at 159 lire. The improved position of the citrate, taken together with the high price of essence, has naturally had a great influence on the market of the derivatives of the lemon-fruit, which have been sold at prices almost double those of two years ago, affecting at the same time the price of boxed lemons. The production of citrate of lime and of concentrated juice in the last three years may be reckoned as follows (162 litres of juice being regarded as equal to 100 kilos. of citrate) : 1909 yielded 7,500 tons; 1910, 6,300 tons; and 1911, 4,800 tons. Including about 1,000 tons of citrate and juice from limes which are manufactured abroad, the world's production may be reckoned at about 7,200 tons, of which the Camera furnishes five-sixths. Italy, therefore, is in a privileged position with regard to the production of these articles, of which advantage, however, a discreet use has to be made in view of the steadily increasing production in other parts of the world. The principal centres are the islands of Dominique and Montserrat, and from there the culture is being extended to neighbouring islands, to Mexico, and to Central and South American countries. The citrate from these quarters is exported almost entirely to the United States, while the juice comes principally to the London market.

The quantities of citrate and juice confided to the Camera for sale for the past three seasons have been 7,830 tons in 1908-9, 6,807 tons in 1910 (eleven months), and 4,508 tons in 1910-11. The merchandise which passed through the store of the Camera in the past season amounted to 4,433,395 kilos. of citrate and 111,916 of juice, with a total content of citric acid of 2,842,868 kilos. The value of this at the minimum price was 5,765,680.52 lire, equal to 202,812 lire per 100 kilos. of acid and 129.80 lire per 100 kilos. of citrate, or its equivalent in juice.

The consumption of citrate and juice of Italian production during the last three years may be reckoned as 5,400 tons in 1909, 5,800 tons in 1910, and 7,100 tons in 1911. The consumption of the past year shows an increase greatly above the normal, due principally to the higher price of tartaric goods and to the great heat experienced in 1911 over nearly the whole of Europe. The quantities of citrate and juice delivered by the

Camera have been 2,248 tons in 1908-9, 6,073 tons in 1910 (eleven months), and 7,548 tons in 1910-11. The difference between these figures and those of the effective consumption is due to speculation, so that the figures recorded by the Camera may represent four to five hundred tons more than the real consumption, the reason being that some manufacturers of citric acid provided for purchases in excess of their real requirements in the hope of a rise in price. The Camera expresses the hope that for its own sake speculation will diminish steadily, in order that business may proceed tranquilly and without the violent fluctuations in price which have characterised it in the past.

The amount received by the Camera for sales was 11,845,852.39 lire gross, giving a net total, after deduction of brokerage, carriage, etc., of 11,396,971.72 lire, equal to 240,2278 lire per 100 kilos. of citric acid and 153,7458 lire per 100 kilos. of citrate of lime, or its equivalent in juice. The following table shows the exports of citrate from December to November of the past two years :

Country of Destination	1909-10	1910-11
United States ...	2,134,925	2,296,431
France ...	1,642,981	1,779,592
Great Britain ...	1,173,470	1,700,847
Germany ...	952,102	1,183,990
Austria ...	213,626	171,559
Kilos. ...	6,117,094	7,132,419

Six Months' Trade.

THE accounts of the trade and navigation of the United Kingdom for June and the first half of 1912 have been issued by the Board of Trade, and clearly indicate the extent to which industrial unrest is affecting the trade of the country. The imports and exports showed a falling-off last month, and our exports of foreign and colonial merchandise showed a great diminution, but in all cases the figures for the six months were better than the corresponding periods of 1910 and 1911, as the following table shows :

	Imports	Exports (British)	Exports (Foreign and Colonial)	Exports (Total)
June 1912 ...	£ 50,668,135	£ 34,972,331	£ 5,738,549	£ 40,710,880
" 1911 ...	51,102,539	36,113,150	8,753,368	44,866,538
" 1910 ...	54,629,817	34,799,654	8,383,643	43,183,297
First half 1912 ...	553,995,222	225,313,045	57,833,721	283,146,766
" 1911 ...	334,122,976	223,668,297	54,887,444	278,555,741
" 1910 ...	334,406,451	204,585,723	55,312,271	259,897,994

The diminished imports of last month were in raw materials and articles mainly unmanufactured, in which the values were 15,464,581 $l.$, or 978,691 $l.$ less than in June 1911. Food, drink, and tobacco were valued at 21,231,050 $l.$, or 31,313 $l.$ more than June 1911, while imports of manufactured articles increased by 541,496 $l.$, making the total 13,774,290 $l.$. Leather goods increased by 20 per cent., the total being 1,109,676 $l.$, and this increase was the highest among imports of manufactures. Chemicals, drugs, dyes, and colours diminished to the extent of 61,290 $l.$, the total being 872,120 $l.$ The export figures for the month show improvements in food, drink, and tobacco, and raw materials, but great diminution in manufactured articles, fourteen of the eighteen items being smaller, and the total of 27,300,387 $l.$ is 1,810,768 $l.$ less than June of 1911. Chemicals, drugs, dyes, and colours in exports were valued at 1,292,580 $l.$, being 294,216 $l.$ less

than June 1911. The re-exports of foreign and colonial merchandise suffered, as already stated, very badly owing to the dock strike in London. Of raw materials, the average for the first five months of the year was over £6,000,000/- per month, but in June the exports dropped to £3,395,342/-, or £2,130,495/- less than June 1911, and more than half of the decrease was due to diminished re-exports of raw cotton.

We have already said that the imports of the chemicals and drugs section of goods decreased in value last month, and this decrease was particularly notable in regard to acetic acid, boracite and other borates, calcium carbide, cream of tartar, potash compounds, and soda compounds. On the other hand, bleaching-materials improved in quantity and price, as also did brimstone, of which 42,975 cwt. was imported, compared with 24,905 cwt. in June 1911. Coal products (not dyes) more than doubled compared with June 1911, but were just slightly higher than June 1910. Glycerin also increased greatly, 9,277 cwt. of crude and 989 cwt. of distilled being imported, the figures being almost three times more than in June 1911, while the six months' figures are also about 20 per cent. better than June 1911. Tartaric acid shows an advance, 5,110 cwt. having been imported in June, and this has helped to make up part of the deficiency on the six months, the imports now standing at 22,174 cwt., compared with 22,802 cwt. in the first half of 1911. Imports of quinine suffered great diminution compared with June 1911, when 353,822 oz. was imported, while last month there was 87,931 oz. only. The total quinine imports for the half-year are 1,571,206 oz., or 88,698 oz. more than in the first half of 1911. Imports of Peruvian bark are also lower, but the half-year's imports are better, the figures being 10,774 cwt., and 8,797 cwt. in 1911.

As to the exports of British manufactured chemicals, drugs, dyes, and colours, the month of June was comparatively normal, but it is apparent that certain items have been very prejudicially affected by the dock strike, although other causes may have contributed to shortage of shipments. In coal-tar products (not dyes) there has been a decided improvement in quantities and values for the month and half-year, but benzol and toluol, carbolic acid, naphtha, and naphthalene show marked diminutions. The total value of this section of chemicals for the six months is £1,201,943/-, besides 155,073/- of dye-stuffs, two-thirds of which are products of coal-tar. Sulphate of copper had poor exports last month—namely, 4,272 tons, valued at 91,806/-, being half the quantity of June 1911. The exports of glycerin were low compared with last year, the figures for the month being 10,072 cwt. crude and 6,787 cwt. distilled, the latter being almost half only of the exports in June 1911, and the total of the two kinds for the half-year is 100,872 cwt., which is about 25 per cent. less than last year. The value of the medicines exported during the month was 119,476/-, compared with 153,847/- in June 1911. The diminution is in respect to opium and quinine and quinine salts, as well as other sorts of medicines, but the total values for the half-year are higher for all three—namely, 1,035,385/-, compared with 971,664/- It is interesting to note that 71,577 oz. of quinine salts was exported in June, making the total for the six months 705,916 oz., compared with 712,488 oz. in the first half of 1911.

There is no question of the fact that those engaged in the merchandising of chemicals and drugs are suffering a serious check to business through the labour dispute, and it did not require the Board of Trade figures to make

the fact known, but these figures may serve to measure in terms of gold how much the country suffers when the machinery of one port is slowed down or stopped, so that merchandise inwards or outwards is denied handling by men. Here lies a problem which is receiving the attention of advanced men of all parties.

Salicylic Acid in British Wines.

In our report of the salicylic-acid cases heard at Pontypridd last week (*C. & D.*, July 6, index folio 6), it was stated the Magistrates convicted the defendants. This was the impression left on the minds of all engaged in the cases, and an appeal to the trade for a guarantee fund was actually issued, and the solicitors who had the cases in hand obtained promises to subscribe to such fund. It now transpires that the Bench, after having stated that there must be a conviction, considered the scientific evidence carefully, and eventually dismissed all the summonses on condition that the defendants paid a small portion of the prosecution's costs.

Studies in Essential Oils.

The lectures on essential oils recently delivered at 17 Bloomsbury Square, London, W.C., as a post-graduate series have now been published as a special number of the "Perfumery and Essential Oil Record." The lectures are prefaced by a concise statement regarding the origin of the lectures, and a portrait of Mr. S. W. Fairchild, of New York, to whose generosity the Pharmaceutical Society of Great Britain owes the series. The first lecture, on the history and chemical relations of the terpenes, by Sir William A. Tilden, occupies about seven pages, including a portrait of the lecturer in academic costume. The two lectures by Professor W. H. Perkin on the synthesis of the terpenes extend to fifteen pages, and, like the first, have a portrait of the lecturer and his autograph. Mr. Umney's own lectures on the constitution and commerce of essential oils are well illustrated with reproductions of twenty-six of the eighty lantern-slides which were used in the lectures, the text of which (less certain chemical and physical data and details of analytical examination) extends to twenty-five pages. Here also the lecturer's portrait and autograph are given. The series forms a most useful monograph on a subject which is of growing commercial importance, and the number forms a good souvenir of a memorable event in pharmaceutical education.

Adulterated Aniseed Oil.

By Ernest J. Parry, B.Sc., F.I.C.

THERE is at present being offered, to comparatively small users only who are not likely to have it analysed, a well-known brand of star aniseed oil in original leads, at a price which is below that at which it has been imported for a considerable time. I have examined some of this oil, and find it to be adulterated, the exact nature of the adulterant not being determined yet, on account of the amount of oil at my disposal being too small for that purpose. I hope to secure a larger quantity, when I shall be in a position to verify the nature of the adulterant, of which I have already a pretty good indication. The disgraceful thing connected with this adulteration is that in some cases the original brand label remains on the lead, so that the honest shipper gets the credit of the adulteration. If the label be removed, in some cases it will be seen that the lead has been cut through and resoldered on a small patch, obviously for the purpose of adulteration: the label has been soaked off, and pasted over the resoldered patch. This can, of course, be brought within the scope of the criminal law, and as the name of the firm responsible is known to me, I propose, if the sophistication continues, to place the name of the firm in the hands of the shippers of the oil, and leave them to prosecute or to take such steps as they think necessary. The same firm has recently been offering peppermint oil (merely described as commercial quality) containing 60 per cent. of petroleum, at about 10s. per lb., and other articles on similar terms.

Bee-keeping for Chemists.

CHEMISTS who are looking out for a new side-line should turn their attention to bee-keeping, writes an Irish pharmacist. Bees may be kept by anyone, anywhere, except perhaps in the centre of a big town. The time involved in taking care of them need not exceed fifteen minutes per hive per week; the work is full of interest, and is profitable.

PROCURING BEES.

There are several varieties of the honey-bee besides the black or native—Italians, Carniolans, Cyprians, etc.—and each variety has its own peculiar benefits and objections. A “stock” is an established hive, with brood and honey complete. A “swarm” is a queen with attendant workers who have just left a hive. A beginner may commence with either a stock or a swarm, but if with the latter it should be an early swarm, so that there may be some surplus honey in the first season—a late swarm may not be able to winter without help. One can commence with a stock at any time, but starting either in stock or swarm, the advice of an expert should be taken in order to discover if the purchase be strong and free from disease. A typical hive is made up of a queen, 200 to 300 drones (males), and from 20,000 to 60,000, or more, workers (modified females). The queen is impregnated on the wing on the first—and, perhaps, only—flight. This impregnation lasts her lifetime, although she may lay from 2,000 to 3,000 eggs per day during the season, and she is able to lay impregnated (queen and worker) or unimpregnated (drone) eggs at will. Her life extends over several years, but she ceases to be economically productive at the end of the second season, and should be replaced. The drones are entirely unproductive, and are driven out of the hive by the workers. The workers live only for a few weeks, but those born in the autumn live in the quiet and warmth of the hive, to take up again the work of their predecessors in the spring. The eggs of worker-brood take twenty-two days to come to maturity, from egg to bee; while drone-brood, laid in larger cells, take twenty-five days; and, remembering the 2,000 to 3,000 daily output of a young queen, it is little wonder that the population question soon becomes acute, and emigration, or “swarming,” is necessary to relieve the pressure. Queen bees, it may be explained, are produced from ordinary impregnated eggs laid in special “royal” cells, and the larvae fed with “royal jelly,” a food evolved by the workers specially for the purpose. Swarming may be expected to take place any time from May onward. When the swarm issues from the hive it can generally be induced to settle at once by spraying or sprinkling with cold water; a straw “skep,” or even an empty box, with a little honeycomb skewered to the bottom of it, is placed mouth down above the swarm, and by the judicious use of the “smoker” and carbolic feather the bees are directed into it and safely housed, the operation taking, on an average, about ten or fifteen minutes. If the swarm is not to be sold, a hive should be prepared at once with a suitable number of frames, proportionate to the size of the swarm, and a board or shutter, sloping from the alighting-board to the ground, placed in position and covered with a sheet or tablecloth. The bee-entrance having been opened to its widest extent, a party of the swarm may now be shaken out on the cloth in a thin line from the mouth of the hive. The bees nearest the entrance, attracted by the wax foundation in the frames, begin to crawl in immediately, making a peculiar music that carries the news down the line, and all that remains to be done is to prevent crushing at the doors, either with a feather or with the fingers, and to keep the *queue* supplied from the skep till it is emptied. Swarming bees are nearly as harmless as bluebottles, and may be handled with impunity—within limits. Before swarming the bees distend themselves with honey, and this distension makes them unable or unwilling to use their stings freely. It is more satisfactory if the queen is seen to enter the hive with the swarm, but as she is very shy, and hides under the workers, it is somewhat difficult to detect her among 20,000 or 30,000 bees, although she is considerably bigger than either drones or workers.

THE HIVES

should be of standard size—that is, made to take standard frames (14 in. by 8½ in.). These frames are movable, and permit of full inspection, while, by the aid of a “dummy,” the space inside the hive can be restricted if necessary. When the honey-flow begins, “supers,” or extra frames for storage of surplus honey, if it is intended to work for “run” honey, or a crate of sections—twenty-one sections fitted into a bottomless box with separators between the rows—is placed on top of the brood-frames, with an “excluder” between, to keep them free from the attentions of the queen. This excluder admits the small workers freely, but stops the larger queen. Sections and frames are now usually fitted with “foundation”—thin sheets of beeswax artificially stamped with the cell pattern. This saves the bees weeks of labour, and makes for more profitable working of the apiary. Brood foundation can also be had for the brood-frames, and the proportionate production of workers and drones controlled, as the queen does not lay drone eggs in worker-cells, but in the larger drone-cells. When the sections in the first crate are nearing completion a second and third crate may be put on, but the second should be put on below the first, and so on.

CONTROLLING BEES.

The bees are subdued for examination or manipulation by blowing in a puff or two of smoke from the “smoker”—a bellows arrangement in which smouldering brown paper is placed. This alarms them, and makes them “load up” with honey, much the same as before swarming, and after a few moments they can be dealt with as wished—within reason. The bees being subdued, in order to change or remove a crate, a piece of linen or calico, large enough to cover the crate, is sprinkled with 1 in 10 solution of carbolic acid, and the bee-master, standing on one side of the hive, or behind it, according to the way the frames run, and having removed the top of the hive, puffing a little smoke under the sheet that covers the sections to drive the bees down into the brood-frames, he loosens the crate with a slight twist—this should have been well vaselined on the bottom before putting on, to prevent the bees from sealing it down with propolis—and holds the carbolic cloth in such a way that in drawing the crate along—not across—the frames he, with the same movement, covers them with the carbolised cloth. The odour of the carbolic causes the bees to shrink down into the hive, and enables the new crate to be placed in position without crushing any of them—the carbolic cloth having been first withdrawn. If the first crate is now held for a moment over the carbolic cloth to drive up any bees that may be on the bottom of it, it can be placed on top of the new crate. During this operation the smoker should be kept handy to check the bees if they show any tendency to “boil over.” A veil should be worn by beginners, although old hands can manage by smoking a cigarette. Quiet, gentle movements are necessary—no jarring of the frames or shaking of the hive.

EXTRACTING HONEY.

The honey is extracted from the frames by a centrifuge apparatus, without destroying the comb. The capping is first removed with a thin-bladed knife, and is put away to melt and purify for beeswax. Regarding feeding, requeening, etc., a good work such as Digges’ “Practical Bee Guide” should be consulted, and there is always the county bee expert to fall back upon when in doubt.

THE COST AND THE PROFIT.

A good stock may be purchased for 30s. to 35s., and a swarm is worth from 16s. to 15s. From 40 lb. to 50 lb. of honey may reasonably be looked for from each hive in a season. The writer bought a stock at 35s. in May, 1911, which has produced this season a swarm which sold at 15s. and 4½ dozen sections, which retailed at an average of 10d. per section. Taking 7s. per dozen as the average cost price of sections if buying, the profit works out at 2l. 5s. gross, or 2l. 1s. 6d. net, 3s. 6d. having been expended on empty sections. There will be some outlay during the winter for feeding, and there is always the risk of the loss of a stock through cold or disease, but the above is a fair average profit. The sale of honey, both bottled and in sections, has been left too much in the hands of the grocer,

and chemists who take this up as a sideline will find it comparatively easy to work up into a profitable trade. The writer began some years ago to make a speciality of "Prize" honey, and even before he began to keep bees was able to dispose of 5 cwt. to 6 cwt. in a season, in pots, at 1s. per 1-lb. pot, the honey costing on an average 6½d. per lb., or 8s. per dozen if bought in pots from the bee-keepers; while sections bought at an average of 7s. per dozen, and sold at 10d. to 10½d. per section, to the extent of twelve to fifteen dozen, help to swell the turn-over, and this without displacing any other line, or spending anything of consequence in advertising, using the windows and counter as the principal means of publicity.

Pharmaceutical Examinations.

WE have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of persons who were granted Major and Minor certificates respectively at the July meeting of the Board of Examiners for Scotland held in Edinburgh:

MAJOR EXAMINATION.

Harding, George, Morpeth.
Jackson, Alice Maud, Manchester.
Noble, Charles Paterson, Galashiels.

MINOR EXAMINATION.

Abernethy, Wm., Sauchen.
Arthur, Francis W. A. J., Paisley.
Brown, George S., Edinburgh.
Campbell, Wm., Glasgow.
Coupar, David, Dundee.
Dobson, Vincent, Blackhill.
Donaldson, Alex., Crief.
Fox, Abraham Denney, Dalton-in-Furness.
Garden, Angus M., Aberdeen.
Garry, John, Polton.
Gibson, George Gray, Dumfarton.
Hay, Robert, Cockburnspath.
Hodge, Helen R., Kirkcaldy.
Howarth, Harry, Halifax.
Howden, William E., Selby.
Hunter, Joseph, Paisley.
Jaffray, Arthur C., Peterhead.
Johnson, William, Leeds.
Jones, James B., Aberdare.
Lawton, Selwyn, Leeds.

Levy, Frederick, Middlesbrough.
Lewin, Joseph, Douglas, I.O.M.
Liddell, Maule R., Forfar.
Lupton, John H., York.
MacFarquhar, William G., Dingwall.
Manson, James, Edinburgh.
Michie, John, Portgordon.
Milne, Joseph R., Aberdeen.
Murdoch, Alexander H., Banff.
Norman, Frederick J., Liverpool.
Orr, George, Gatehouse.
Rae, James, Aberdeen.
Robertson, John, Grangemouth.
Slack, Harry F., Nottingham.
Steven, Robert, Edinburgh.
Taylor, Alexander J., Banff.
Taylor, Joanna, Glasgow.
Tindale, Charles, Whitby.
Williams, John F., Port Talbot.

The Shops Act, 1912.

WE publish a card for exhibition by chemists who supply medicines during closing hours on half-holidays. It measures 14 in. by 8 in.; price 8d. for two cards, post free, from the Subscription Department of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London.

The following are brief particulars of local arrangements:

Beverley.—The Town Council have decided that chemists and druggists should close on Thursdays at 1 P.M.

Blairgowrie.—The petition for compulsory earlier-closing order for the several days of the week presented by a majority of the pharmacists of Blairgowrie has been refused by the Town Council by seven votes to three, on the ground that a closing hour earlier than seven o'clock on Sundays was embodied in their petition. The hours suggested were 12.45 P.M. to 2 P.M., and from 5 to 6 P.M.

Cardiff.—Notification has been issued by the Corporation Clerk of the intention of making a closing order applicable to the retail drug-trade for an area comprising the whole of the circuit except the South Ward. The hours proposed are: Central Ward, Mondays and Tuesdays, 7.30 P.M.; Thursdays and Fridays, 8 P.M.; Saturdays, 10 P.M. Remainder of city except the South Ward, Mondays, Tuesdays,

and Thursdays, 8 P.M.; Fridays, 9 P.M.; Saturdays, 11 P.M. Wednesday (at 1 P.M.) is the half-holiday. The order will not apply to any shop in which the only trade or business carried on is the sale of medical and surgical appliances.

Dundee.—The Town Council has adopted an order fixing the hours of closing for chemists and druggists at 8.30 P.M. on Mondays, Tuesdays, Thursdays, and Fridays, 1 P.M. on Wednesdays, 10 P.M. on Saturdays, and 8 P.M. on Sundays.

Edinburgh.—At the meeting of the Town Council on July 9 the half-holiday question was again discussed. With regard to chemists the Council, by twenty-seven votes to sixteen, decided that the necessary steps be taken with a view to orders being made (1) extending the provisions of the Act as to the closing of shops on the weekly half-holiday to the trade or business of the sale of medicines and medical and surgical appliances, and (2) fixing Wednesday (with the option of Saturday) as the day for the weekly half-holiday for said trade or business throughout the city; and that the petition by chemists in Princes Street and adjoining streets, asking that the exemption of said trade or business be continued in their area, be not entertained.

Hawick.—The Town Council has decided to make a closing order for chemists on Tuesdays at 1 P.M.

TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," June 19, 1912.)

- "DUSLADO"; for a disinfectant (2). By Domestic Specialities, Ltd., 5 Jones Street, Salford. 340,059.
- "ASPAD"; for all goods (2). By F. S. Darkin and A. H. B. T. Ponsonby, Langrish House, Meon Valley Road, near Petersfield, Hants. 340,742.
- "ALKOL": for all goods (2). By Gourmet & Co., 2 Mount Pleasant, London, W.C. 341,287.
- "REHTIP"; for a gape-cure for birds (2). By W. Pither, 2 Frederick Cottages, St. John's Road, Newbury, Berks. 342,614.
- Cylinder with word "RADIOZONE"; for medicines (3). By Wright & Co., 7 Silverlands, Buxton. 341,454.
- "HYPOUTURE" and device; for medicinal chemicals (3). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 341,956.
- "MUTHOL": for a paraffin preparation (3). By R. Demuth, 68 Salusbury Road, London, N.W. 341,566.
- "AZODOLEN": for pharmaceutical products (3). By Kalle & Co., 23 Rheinstrasse, Biebrich-on-the-Rhine. 342,060.
- "HONMORAL": for medicinal chemicals (3). By A. Hommel & Co., Ltd., 115 Clerkenwell Road, London, E.C. 342,129.
- "GONOPTURIN": for all goods (3). By A. Wulfsing & Co., 12 Chenies Street, London. 342,183.
- "NU-TA"; for all goods (3). By W. Macaulay, 38 Cours Gambetta, Lyon. 342,542.
- "CANDIOLIN": for medicinal chemicals (3). By the Bayer Co., Ltd., 20 Booth Street, Manchester. 342,584.
- "TOUC"; for scissors (12). By S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C. 341,896.
- "NEO-LIFIC"; for food-substances (42). By Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E. 342,852.
- "VIMAL"; for beef and malt wine (43). By J. McPherson & Sons, 55 Melbourn Street, Newcastle-on-Tyne. 341,567.
- "RED CAP BRAND" and cap of liberty: for all goods (47 and 48). By C. Thomas & Bros., Ltd., Broad Plain Soap Works, Bristol. 340,039/40.
- "PYRAMID" with picture of same: for perfumery (48). By J. Crosfield & Sons, Ltd., Bank Quay, Warrington. 341,477, 341,482.
- "SPECTACLES" and picture of same: for goods (47 and 48). By W. Gossage & Sons, Ltd., Widnes, Lancashire. 342,589/90.
- Label device including words "POMMADE HONGROISE" and "RÉNÉ FRÈRES" (René Frères disclaimed); for pomade Hongroise (48). By N. Stecklyn & Sons, 29-30 Houndsditch, London, E.C. 355,725.
- "LA MONDAINE"; for toilet preparations (48). By Dr. M. Lehmann & Co., 68 Basinghall Street, London, E.C. 341,955.
- "ABCO FOR ARTIFICIAL TEETH," and picture of same: for a dentifrice for artificial teeth (48). By Lloyd Bros., 48 Gallowtree Gate, Leicester. 341,979.

ASSOCIATION AFFAIRS.

The Manchester Branch of the Incorporated Society of Pharmacy and Drug-store Proprietors, Ltd., met at the Mitre Hotel, Manchester, in the afternoon of July 3, when the Hon. Secretary (Mr. Alfred Whalley) reported on the work done by members of the branch. A committee was formed to arrange for a picnic and for a report of the meeting on July 31. Other business of a routine character was transacted.

Aberdeen Junior Chemists' Association.—A meeting of chemists' assistants and apprentices was held at the Central Hotel, Aberdeen, on July 2, Mr. A. Craig presiding, when it was resolved to form this Association. The following office-bearers were elected: *Hon. President*, Mr. A. Craig; *Vice-President*, Mr. D. Ritchie; *Hon. Members*, Messrs. A. C. Bonner, Robert Leslie, George McKay, Wm. A. Ness, William Reid, David Ross; *President*, Mr. Swan; *Vice-President*, Mr. W. Henry; *Secretary*, Mr. James Sim; *Assistant Secretary*, Mr. Mutch; *Treasurer*, Miss Simpson; *Members of Committee*, Messrs. Anderson, Grant, McManus, Sim, Spence, and Simpson. The first function of the new Association was a cycle run, which took place on Wednesday, July 10, Banchory being the destination.

Watford Pharmacists' Association.—A meeting was held on July 4 at the Lime Tree Hotel, Mr. C. E. King (President of the Association) in the chair. There were also present Messrs. W. Hannaford, R. Benning, R. Gant, A. W. Barker, J. P. Sholl, R. Bluet, R. C. Tween, B. Middleton, G. Wise, G. Goss, G. Sumner, A. Marshall, and the Hon. Secretary (D. W. E. Barker). A letter was read from the Pharmaceutical Society with reference to the invitation to the British Pharmaceutical Conference to hold its meeting next year in London, and it was agreed that the Association should support the invitation. Messrs. A. W. Barker and R. Gant were elected as delegates to act on the Invitation Committee. It was resolved that future meetings of the Association should be held on Wednesdays.

Grimsby Pharmacists' Association.—A meeting was held at the Oberon Hotel on July 2. Mr. Corr. Willson (President) occupied the chair, and the other members present were Messrs. C. Dewing, H. Colley, R. C. Johnson, T. D. Sneath, E. Sigley, H. Chapman, W. G. Robinson, F. N. Fletcher, with the Secretary (C. H. Ashton). Mr. Dennis, of Louth, wrote regarding an organisation meeting, and Mr. Watson, of Caistor, is to be asked to call a similar meeting of the chemists in the Brigg division. The Secretary placed before the meeting explanatory leaflets in connection with the National Insurance Act and the Chemists' Friendly Society, as requested by the members at the last meeting. It was decided that members should get their assistants to join the C.F.S. where possible. Mr. Douthwaite, of Hainton Avenue, Grimsby, was elected a member.

Exeter Association of Pharmacists.—The annual meeting was held at the residence of the President (Mr. D. Reid) on July 4, Messrs. T. C. Milton, P. F. Rowsell, M. T. Foster (Cullompton), H. Wippell Gadd, F. W. Vinden (Hon. Secretary), and J. Harris being present, with the President. The Secretary read correspondence from the local Chamber in regard to linking up local associations, Mr. Rowsell explained what is to be done, subsequently congratulating Mr. Reid on his appointment on the Provisional Insurance Committee for Exeter; and after explaining how matters stand, said he wanted to see proper representation of chemists on the District Insurance Committees which are to be set up, for until they had such representation their work was not finished. The annual business was then proceeded with, the Hon. Secretary and Hon. Treasurer (Mr. J. Harris) presenting reports, which were adopted. Mr. Reid proposed the election of Mr. T. C. Milton as *President*. Mr. Rowsell seconded, and the motion was carried by acclamation. Mr. F. W. Vinden was re-elected *Hon. Secretary* and Mr. J. Harris *Hon. Treasurer*. An acknowledgment was made of the services rendered by them, as well as the President, during the past year. Mr. H. Wippell Gadd was appointed delegate to the British Pharmaceutical Conference meeting in Edinburgh.

Midland Pharmaceutical Association.—There was a large turn-out of members at the annual meeting, which was held at Birmingham University on July 3. Mr. E. Corfield (President) was in the chair, and supporting him were Messrs. H. M. Tranmer and James A. Radford (Vice-Presidents), A. W. Southall, Jeffrey Poole, F. J. Gibson (Wolverhampton), F. H. Alcock, J. Wakefield, F. H. Prosser, E. W. Mann, F. H. Rushton, H. Critchlow, F. H. Johnson, G. H. Buckley, — Drew, C. Vernon Thompson,

C. S. Richards, J. W. Atkinson, H. O. Lloyd, and H. Buckingham (Hon. Secretary). The Chairman submitted the annual report, which contained a review of the work of last session, and expressed regret that more use was not made of the library in the University buildings. He congratulated the Secretary on the splendid manner in which he had collected the subscriptions, there being only a few outstanding at the end of the financial year, and added that the credit balance of 20*l.* was unprecedented, he thought, in the Society's history. Mr. Alcock, the Hon. Librarian, informed Mr. Southall that probably a score of books had been taken out of the library during the year, and in addition a number of books had been consulted there, but unfortunately all the books asked for were not in the library. The report was approved. An informal discussion took place on the Shops Act and the National Insurance Act. Concerning the former, while some doubt seemed to exist as to what articles could be sold during the prohibited hours, the general opinion was that it was a beneficial measure. From the National Insurance Act it was prophesied that increased business would come to the chemist. In Smethwick, for instance, Mr. Tranmer said there is not a single medical man writing prescriptions. Under the Act 14,000,000 people would have to be insured, and the medicines dispensed by chemists. Voting for twelve members of the Council brought one or two changes. A number of the younger members of the craft have recently formed themselves into an athletic section, and a part of their programme is also to infuse increased life into the Society. They were strong enough to get their three nominees returned on the Council, which body is now made up as follows: Sir Thomas Barclay, Messrs. H. Buckingham, E. Corfield, James A. Radford, A. W. Southall, J. Wakefield, H. O. Lloyd, E. W. Mann, F. Smith (Handsworth), J. W. Atkinson, C. S. Richards, and F. H. Alcock. Twelve new members were elected.

Chemists' Friendly Society.—A meeting of London chemists' assistants was held at 17 Bloomsbury Square, London, W.C., on July 9, to hear Mr. Thomas Guthrie (President of the Chemists' Friendly Society) regarding the advantages of joining the Society which he has founded. Mr. F. Naylor was in the chair, supported by Mr. J. P. Gilmour (Glasgow), Mr. J. Rutherford Hill (Edinburgh), Mr. C. T. Cockburn (Glasgow), and Mr. F. Bullen. There were present about fifty men and five women assistants. Mr. Guthrie stated briefly the principles of the National Insurance Act and how it affects chemists' assistants. The advantages of joining a society were mentioned, and of the various societies he proceeded to show that for chemists' assistants the best is the Chemists' Friendly Society. The reasons for this are, briefly, that chemists' assistants as a class are healthy, that they are in the habit of preventing illness in themselves by timely treatment, and a fair proportion will in a few years cease to be eligible for the State benefits. These are all causes which, combined with the large employment of voluntary workers in the management of the Society, should have the effect of accumulating a considerable reserve from which additional benefits can be paid to contributors. It is proposed also to associate honorary members with the Society, the life subscription of two guineas being another source of funds. Local committees are being formed in large cities, who will act as advisers to the directors who are to administer the sickness and other benefits. A separate women's section will also be formed, and there is every probability of this becoming a profitable section, owing to the very favourable figures taken by the actuaries as the basis of the working of the Act. It is contemplated to set up a non-State section, but so far attention has been concentrated mainly on the compulsory section. In reply to questions, Mr. Guthrie said that so far about 2,000 applications for membership have been received, of which a fourth are from women. The Society only admits contributors who come under the definition of skilled workers. There is a probability of the accession of a considerable number of assistants to analytical chemists. The official approval of the Society is only a matter of a few days, unless delayed by the extraordinary congestion at the office of the National Insurance Commission. The meeting decided to support the Chemists' Friendly Society, and a small committee, with power to add to their number, was elected, consisting of Miss C. A. Andrews and Messrs. Naylor, Tocher, Gibson, Roberts, and Lindsay. Votes of thanks concluded the meeting.

PATENTS IN KOREA.—It is reported that the Japanese Government have applied to Korea the law in regard to the sale of proprietary medicines which has been in force in Japan for many years, and which appears to be more honoured in the breach than in the observance.

SUMMER OUTINGS.

Portsmouth Pharmacists on July 10 visited the Borough Waterworks at Portsdown and Bedhampton. The party numbered about twenty, and included a few ladies. The Chairman of Directors (Colonel L. Owen) met them at the filter-beds and offered a hearty welcome, while the company's Engineer and Secretary acted as guides. The weather was perfect, and a tea generously provided in the boiler-house (fires out) was very acceptable. Here Mr. W. A. Bell (President) proposed the thanks of the pharmacists to Colonel Owen, his co-directors, and to the officials who had made the visit so entertaining.

Enjoying Margate.—The employés of The British Drug Houses, Ltd., enjoyed an exceedingly successful outing on June 29 at Margate. The dinner, which was excellent, was served at the Queen's Highcliff Hotel, between 200 and 300 sitting down at the table. Mr. W. L. Howie presided, supported by Mr. Alan Francis. The vote of thanks to "The Directors," proposed by Mr. H. S. Collins, was enthusiastically given, the Chairman replying in his happiest vein. Thanks to the arrangements made by the stewards everything proceeded without a hitch, and the whole of the party entrained soon after 8 P.M. for London delighted with their experiences.

The Students of the School of Pharmacy, under the guidance of Professor Greenish, paid a visit to Potter's Herb Farm at Carshalton on Friday, June 21, and were met by Mr. Henry A. Potter and Mr. R. W. Wren (both old "Square" men), who explained the different crops, methods of collection, virtues, and folk-lore of the medicinal plants. The drying-sheds, where the newly cut crops were being dried by natural and artificial means, were visited, and the party adjourned to the Greyhound Hotel for tea, Professor Greenish proposing a vote of thanks to the firm. Mr. Potter, in his reply, said he was always pleased to see students of pharmacy at the farm, and he wished the company success in the examinations.

Rolling the "Red Ball."—The employés of Messrs. Stevenson & Howell, Ltd., held their annual excursion on July 6, the venue being Great Yarmouth. The party, numbering upwards of a hundred, were entertained to dinner and tea at the Granville Hotel, every arrangement having been made for their welfare and comfort. The usual loyal toasts having been given by the Chairman (Mr. C. A. Wrench), the toast of "Success and Prosperity to the Firm" was proposed by Mr. J. A. Gardner and enthusiastically honoured. A hearty vote of thanks was passed to the directors of the company for their generosity in providing the outing, and a vote of thanks was also given to the Chairman. The weather conditions were ideal, and contributed much to the success of the outing.

A Special Train conveyed a party of about four hundred of the employés of Messrs. Burgoine, Burbidges & Co., Coleman Street, London, E.C., and East Ham, on their annual outing to Dover on July 6. An excellent programme was mapped out for them, which included dinner, served in the Connaught Hall of the Municipal Buildings, where Mr. H. R. Arnold presided. He was supported by Mr. Halstead and Mr. Charles W. White. During the dinner Mr. H. J. Taylor, F.R.C.O., the borough organist, favoured the company with excellent music. After dinner and the loyal toasts, given by the Chairman, Mr. Charles W. White proposed the toast of "The Firm," which was enthusiastically received, and after the acknowledgment of Mr. Arnold the company adjourned, to reassemble at tea, after an enjoyable afternoon.

The Oldham Pharmaceutical Association joined with the Shaw and Crompton Tradesmen's Association in their annual excursion, the place selected being Windermere. The combined outing was a direct outcome of the good feeling that exists between the two Associations brought about by Mr. W. Yates, chemist, of Shaw, who was last year's President of both Associations. The party included eight Oldham pharmacists. Breakfast was served at Windermere. At Ambleside the "Northern College" chemists paid a visit to one of their late tutors, Mr. F. Lawson, B.Sc., Ph.C., who is now in business in Ambleside. After tea at Windermere the return journey was commenced at 6.45 P.M., a most pleasant day having been spent; and Mr. Holden, on behalf of the Oldham pharmacists, thanked the Shaw Association for their invitation.

Messrs. John Gosnell & Co., Ltd., held their annual dinner and outing at Dover on July 3. The staff left London Bridge by the 9.8 train, reaching Dover soon after eleven o'clock. Dinner was served at the Lord Warden Hotel, Mr. C. P. Gosnell, managing director, presiding, Mrs. Gosnell also being present. After dinner the Chairman

proposed the loyal toasts, and Mr. Vorley (secretary of the company) then proposed success to the business, speaking feelingly upon the harmony that abounds. Mr. Ralph P. Gosnell replied, and proposed the toast of "The Travellers," to which Mr. A. W. Jones responded. In the afternoon the party had a pleasant drive to St. Margaret's Bay, where tea was provided at "The Green Man." The 7.45 return train from Dover took them back to London. The weather was such as to enable the "Cherry Blossom" staff to have a most enjoyable day.

Preston Pharmacists' Association.—The annual picnic took place on July 4 by motor *char-à-banc* to Ingleton, via Whalley, Clitheroe, and Settle, returning through Lancaster. The following were present: Mr. and Mrs. Arkle, Mr. Burnett, Mr. T. Barnes, Miss Barnes, Mr. Gregson, Mr. and Mrs. H. S. Freeman, Mr. and Mrs. S. Fisher, Mr. and Mrs. Greenwood, Mr. and Mrs. Howard, Mr. and Mrs. Hindle, Mr. S. H. Hadfield, Miss Jamieson, Mr. and Mrs. Livesey, Mr. Geo. F. Livesey, Mr. and Mrs. F. Mercer, Mr. Mercer, Miss Morcella, Mr. R. Parker, Mr. Lomax, Mr. E. Topping, Mr. and Mrs. Walmsley, Mr. F. A. Williamson, Mr. Houghton, Mr. J. Hetherwick (Manchester), Mr. E. T. Lewis (Liverpool), Miss Bentley (Fairhaven), and Mr. Highton (Blackburn). Starting from the Crown Hotel, Preston, at 1.40 P.M. in glorious weather, the party proceeded to Clitheroe, where Clitheroe Castle was visited; others had a chat with Mr. Harrison at his pharmacy just opposite. At Settle another halt was made, and Ingleton was reached at 7.15 P.M., when tea was taken at the "Ingleboro" Hotel. A vote of thanks was passed to the Secretary for the arrangements of the picnic, and Mr. Williamson took photographs of the party. It was decided to have a whist-drive and supper in the autumn. A start was made for home shortly before nine o'clock. Lancaster was reached at 10.40 P.M. and Preston 12.40 A.M.

Cheimists' and Druggists' Society of Ireland.—The first summer outing of the Chemists' and Druggists' Society of Ireland took place on July 3, when, on the invitation of the President (Mr. John Frackleton) and Mrs. Frackleton, the ex-Presidents, Vice-Presidents, and committee of the Society, with their wives and a number of other friends, took part in a cruise in Belfast Lough. The party proceeded by train to Bangor, and, having been received at



THE PARTY AT BLACK HEAD.

the pier by the host and hostess, went on board a large motor-yacht at 3 P.M. It had been arranged to visit the Copeland Islands, but the sea being unfavourable for landing the yacht was steered for the Antrim shore, and after a pleasant cruise of an hour and a half's duration the party went ashore at Black Head, where hospitality was provided by Mr. and Mrs. Frackleton. After tea, Mr. A. R. Hogg, a member of the committee, took photographs of the party. Mr. W. J. Rankin moved a vote of thanks to Mr. and Mrs. Frackleton for their entertainment, which was seconded by Mr. Wm. Haslett and passed by acclamation. Mr. Frackleton said it gave him great pleasure to entertain the members. The homeward run was made under sail and was greatly enjoyed, the party witnessing a fine sunset over the Antrim hills. Bangor was reached at 9 P.M.

PERFUMED DRESSINGS.—Following up Chamberland's researches on the antiseptic power of essential oils, Dr. Charnonnière, aided by M. Even, a pharmacist, has prepared antiseptic gauzes with geranium, rosemary, lavender, and bergamot oils. Many advantages are claimed for these perfumed dressings.—*La Nature*.

Select Committee on Patent Medicines.

Appointed by the House of Commons to inquire into the sale of patent and proprietary medicines and medical preparations and appliances, and advertisements relating thereto.

Record of Evidence given on July 4 and II.

OTHER WITNESSES.

The British Medical Association have submitted the names of eleven witnesses who will give evidence before the Committee, and besides those who have already been examined they are Professor W. E. Dixon, Cambridge; Mr. H. Sewill, M.R.C.S., a retired dentist and one of the proprietors of the "Medical Press and Circular"; Mr. Percival Macleod Yearsley, F.R.C.S., who dealt with deafness-remedies on July 11; Mr. R. E. Crosse, M.R.C.S., dealt with remedies for sexual troubles on the same day; Sir Malcolm Morris and Dr. Arthur Whitfield, whose evidence will refer to remedies for skin-diseases; Mr. C. S. Palmer, Redhill; and Dr. J. Johnston, Bolton.

WHAT THE LABEL SHOULD STATE.

Reverting to our report of the evidence given on July 4, there are a few points to which further reference might be made. Mr. E. F. Harrison explained to Mr. Bathurst that he suggests that the names of the ingredients in proprietary medicines should be placed on the labels, but not the quantities. It would inflict a great hardship upon the maker of the proprietary medicine if he were required to give his complete formula on the label. He would be giving away what might be a legitimate trade secret.

Mr. Bathurst: Don't you think the public weal ought to be considered before the question of proprietary advantage?—Certainly; but there must be a reasonable amount of caution. The small and unproven advantage to the public of stating the full quantities of the ingredients would hardly weigh against the great injustice to a large number of manufacturers, but the substantial advantage to the public of declaring the ingredients without the quantities is considerable compared with the hardship which that would impose upon the manufacturers.

Mr. Bathurst then propounded his views about herbalists, and elicited laughter when he suggested that herbalism should be treated as a misdemeanour. Next followed Sir Henry Dalziel, whose blunt and breezy style of examination is not usually appreciated by witnesses, but Mr. Harrison successfully passed through the ordeal. The Chairman then took witness in hand, and, in addition to the evidence reported last week (*C. & D.*, index folio 25), elicited that in France and Germany where the formulae of proprietary medicines have to be disclosed, the laws are evaded. Very often analyses are put on the label for show, there being no check on this practice.

ANALYSTS' TESTIMONIALS.

This led up to a question as to whether analysts give recommendations for proprietary medicines, one being read by the Chairman from an advertisement of "Golden Fire." The best class of analysts would not give testimonials; it is definitely forbidden by the Institute of Chemistry. Witness went on to state that some analysts use letters implying qualifications to which they are not entitled. One of these analysts has F.C.S. after his name, and although he is not a Fellow of the Chemical Society there is no legal power to prevent the practice.

The Chairman then inquired whether there are secrets in the matter of the composition of proprietary medicines which are not discoverable by analyses. He explained that this was a matter of importance to the Committee, and read a statement issued by the proprietors of Beecham's Pills that these pills contain vegetable ingredients that cannot be correctly analysed. Mr. Harrison's reply was that although a correct analysis might be impossible if very small quantities of ingredients are present, these would not be the principal or important ingredients. Continuing the examination, the Chairman said that if to aloes, ginger, and soap half a dozen other substances were added, could these ingredients have activity? "They

might modify the action of the main ingredients," said Mr. Harrison, who further explained that a large proportion of analyses in "Secret Remedies" did not involve questions of vegetable ingredients. The Chairman, still pursuing the same line of thought, asked whether these modifying ingredients might not be the result of profound chemical knowledge, and witness admitted that some lucky combinations might be arrived at. He gave as an instance the long prescriptions formerly in vogue, as, for example, Warburg's Tincture, which is very complex, but is still employed. Where any doubt existed in regard to the ingredients of a proprietary medicine he (witness) was careful to state it. Often there was missing positive evidence of the presence of an ingredient, although in his own mind no doubt existed.

Mr. Newton: If you found ingredients to account for 100 per cent. of the medicine that would settle the matter?—Yes; but I reserve the question of a homeopathic remedy.

Dr. Lynch intervened in regard to the difference in the amount of nitric acid shown by two analyses of Fennings' Fever-cure, and was told that these were approximate. He went on to refer to analyses of Williams' Pink Pills, which, according to the formula published on the label of the pills sold on the Continent, differ from those sold in this country. Mr. Lawson referred to the remedies, samples of which witness analysed for the "British Medical Journal," and was told that he (Mr. Harrison) drafts the notice of the remedy for the editorial pages.

Mr. Harrison then supplemented his evidence by producing statements made by proprietary-medicine manufacturers regarding the Government stamp as a guarantee. These were generally to the effect that "To guard against fraud, His Majesty's Honourable Commissioners of Inland Revenue have ordered the name to be engraved on the medicine stamp." "Fiction blended with fact" was Mr. Glyn-Jones's comment on this.

MEDICATED WINES.

Dr. Mary Sturge, Edgbaston, gave evidence in the afternoon. This was summarised last week. Witness had in front of her samples of Bugeaud's wine, Panopepton, Junora wine, and others, which she used as illustrations of her remarks. In the advertisements of Coleman's wine she objected to the statements that it is a "natural nerve brain food" containing a "standardised amount of nourishment." The coupon system adopted by the proprietors of this wine had her condemnation. In regard to the 6,000 testimonials from medical men which Wincarnis has received, she said the proprietors had offered to show these to a responsible medical man; but as the firm stipulated that no use was to be made of the knowledge gained in this way the offer was not taken advantage of. Medicated wines are taken on the advice of medical men, but her chief point was that many people took these wines without knowing they contained alcohol. As mentioned last week, a very large number of letters were read from doctors who wrote to Dr. Sturge that they objected to medicated wines. The views of a few chemists were also quoted, one a Leicester chemist and another Messrs. Donnington, of Spalding. Dr. Sturge suggested as an important point that the proportion of alcohol should be stated on the label. The witness was then examined.

Mr. Glyn-Jones asked if she took the view that the medical profession should discourage the use of alcohol in connection with the treatment of disease. Dr. Sturge replied that she took the view that at present the evidence was decidedly against the use of alcohol.

Mr. Glyn-Jones asked her to reconcile her statement that the profession is against the use of these medicated wines with the fact that so many medical men had written letters in approval of them. Dr. Sturge replied that the

profession has a habit of prescribing new things, but with regard to these wines the opinion had altered. She thought that if the testimonials in favour of these wines could be seen it would be found that they were nearly all signed by doctors who had changed their opinions in regard to them.

Questioned with regard to various advertisements of wines in the "British Medical Journal" for stout, whisky, and gin, she replied that gin contains juniper, which is a distinct diuretic, and besides the public know the percentage of alcohol in ordinary beverages, but not in medicated wines. She had never seen Panopteon advertised except in the "British Medical Journal," and she did not know that chemists are never asked for it except in doctors' prescriptions.

Mr. Glyn-Jones: A chemist without a licence could not stock these things?—No.

Then if a doctor orders them a chemist must send the patient to another chemist with a wine-licence, or must himself get a wine-licence?—Yes; a chemist without a wine-licence has to refuse some trade.

Last session I was asked to try to get an amendment in the Finance Act to provide for cheap licences to chemists to sell wine which was included in doctors' prescriptions at the rate of ten shillings, instead of at the ordinary rate for wine-licences. Do you think that would be a useful thing?—No; I do not think chemists should have these wine-licences.

But if doctors continue to order these things, where are they to be obtained if chemists are not to sell them?—The Chairman of our Brewster Sessions says that as the law stands chemists can now dispense them.

Do not you think the medical profession can do a great deal to discourage the use of these wines?—I think they are powerless so long as the advertisements are so inaccurate.

DOCTORS' VIEWS ON ALCOHOL.

Mr. Lawson: I understand that you are here from the British Medical Association, not from the United Kingdom Alliance? (Laughter)—From the British Medical Association to ask for this one thing.

But in regard to the special attitude which you assume, you represent not so much the medical as the temperance view?—I do not think so.

I ask that in view of the fact that there are so many advertisements of alcoholic preparations in the "British Medical Journal."—Alcohol is a drink of the people, and so long as that is so people want to know where they can buy it. The "Journal" only represents popular opinion.

What you have said with regard to wines would apply just as much to Wolff's Schnapps?—I do not think it is on quite the same level.

I see that in the advertisements in the "British Medical Journal" on June 15 there is one that Wolff's Schnapps "removes all doubt and uncertainty about a number of diseases." I suppose that before it was invented other things failed to effect the desired result. I only ask that because that must be the professional view, for you know, of course, that it would not appear there if it were not the professional view.—I think that everything which appears in the "Journal" passes the editorial department.

Mr. Lawson then referred to a statement by the witness that the sending of free samples of medicated wine was a demoralising thing and tended to the alcoholic habit, and pointed out that the advertisement of Nicholson's Dry Gin offered free samples to medical men. To a certain extent, he added, though I do not mean to imply that medical men are not superior to the general community, that conceivably might lead medical men to drink gin. (Laughter.)—We have samples of all kinds of things sent to us.

Yes; but what are these free samples sent for—to drink, I suppose?—I do not know.

They are not for the purposes of analysis?—No.

The risk may be less, but the principle is the same?—Yes; but it is a straightforward way of advertising.

My point is that if it is so obnoxious a form of advertising as you say, and so much condemned by the profession, it is curious that it should appear in the "Journal"?—My point is that it is not fair to advertise a thing for what it is not.

You are here as a representative, and therefore I am justified in asking you whether, when Wolff's Schnapps is advertised in the "British Medical Journal" as having received the commendation of the medical profession, it is not on exactly the same footing as Wincarnis, and that, therefore, the medical profession, through their "Journal," themselves sanction a practice which to you is very ob-

noxious?—Yes; but the people who buy Wolff's Schnapps know what is in it.

Do you think that there are a great many people who, seeing a thing described as wine, believe there is no alcohol in it?—Yes.

Do you not think that there are a great many who do not want to find out?—Yes.

And that a number of teetotalers who take these wines like the taste, and wish to continue taking them so long as they do not think they are committing a deadly sin?—Those who do find out leave off.

But in many cases they do not take the trouble to find out?—I think there is a wrong impression.

Then teetotalers who take it are genuinely deceived?—Yes.

Do you think they are more gullible than other people?—(Laughter)—I mean in that way?—Yes, I think they are.

I suppose that really your evidence amounts to this: that in regard to all wines, medicated or not, the amount of alcohol ought to be stated before they are sold to the public?—I think that would be to the advantage of the public.

What you are advocating is a general alteration in the law which would involve a very wide change in our licensing system?—Yes.

Dr. Chapple and Dr. Lynch asked a few questions, the former suggesting, and witness agreeing, that pepsin wine is injurious when taken over a long period. Witness told Dr. Lynch that she had never seen medicated wines prescribed in hospital. She regarded tea as a real stimulant, but her practice was to prescribe hot water as a stimulating beverage. Dr. Sturge told Dr. Lynch that she regarded the present trend of education as wrong; vital things are neglected, such as the teaching of hygiene.

Thursday's Proceedings.

The Committee met again on Thursday, July 11, at half-past eleven o'clock, Sir Henry Norman presiding, and other members present at the outset were: Mr. Cawley, Mr. Hayden, Mr. Glyn-Jones, Mr. Lynch, Sir Philip Magnus, and Mr. Newton.

STATISTICS OF LETTERS-PATENT.

Mr. Reginald E. Crosse, M.R.C.S., L.R.C.P., who appeared on behalf of the British Medical Association to deal with the question of remedies for sexual troubles, was the first witness, but before he began his evidence,

The Chairman stated that in reply to an inquiry made by the Committee they had received a letter from Mr. Temple Franks, the Comptroller General of the Patents Office, giving statistics of letters patent which have been granted for medicinal preparations. From 1861 to 1897 inclusive these numbered 577, and all such patents granted in that period have expired. From 1898 to 1910 680 patents of this class were granted, and of these 295 are still in force. There were many applications for the years 1911 and 1912, which are still outstanding, so that the figures for those years cannot be tabulated, but if the Committee desired any further information on this subject he would be glad to furnish the particulars.

REMEDIES FOR SEXUAL TROUBLES.

Turning to Dr. Crosse, the Chairman said:

I have to inform you that the Committee has decided that it will be desirable for several obvious reasons to hear part of your evidence in private and to address certain questions to you in private. It would probably be convenient, therefore, if you would postpone any part of your evidence which you may think would be better taken in private. Will you tell the Committee first of all what is your official position with regard to the British Medical Association?

Witness said he had been in general practice for twenty years and is temporarily assisting the British Medical Association. He is not an official of the British Medical Association, though he appeared as a witness on behalf of that body. He had given special attention to the questions with which he proposed to deal. He thought that the simplest course for him to adopt would be to call the attention of the Committee to the particular paragraph in the memorandum of the British Medical Association dealing with the subject of medical preparations and appliances in connection with sexual matters.

Mr. Glyn-Jones pointed out that this paragraph had appeared in the evidence of Dr. Cox, and that it was therefore unnecessary that the witness should repeat it to the Committee.

Dr. Crosse said the first thing he wished to do was to call attention to the fact that there is a very large amount of advertising of preparations and appliances directly connected with sexual matters. He was glad to say that many newspapers declined to accept advertisements of this character, but there is very widespread advertising still, especially in the Midlands, and its ramifications are somewhat extensive, which may be judged from the fact that these advertisements are found in papers like "Home Notes," "Homo Chat," "Cassell's Saturday Journal," and "The Umpire." He had examples from those papers which he would submit to the Committee.

Witness proceeded to refer in detail to some of these advertisements.

The Chairman: Do I understand you to say that these advertisements can have no other meaning than the one you attribute to them?—I think my best course is to establish first that there are such advertisements.

Dr. Crosse went on to refer to the other papers, mentioning that the advertisements in "The Umpire" on Sunday, May 19, showed, he said, an enormous list of similar things. Dr. Crosse went on to say that these advertisements show that there is a great traffic in these things. On April 30 he had walked round the Trafalgar Square district and made a note of various things displayed in the shop windows—chemists and pharmacists.

At this point the Chairman called the other members of the Committee round him and conferred for a minute or two. When they resumed their seats Dr. Crosse said he had a long list of the various preparations and appliances which he had seen, and which could only be more or less for sexual matters. He would give one or two examples. There was a vaginal syringe, of which there was a large diagram, and an invitation given to apply for a circular of particulars.

The Chairman: You will have an opportunity of giving in private any evidence you may wish to give.

Dr. Crosse: I am afraid it is all more or less of this character. He went on to say that perhaps it would be advisable for him to indicate the lines he was going to take and for him to go into details later.

The Chairman: That will be the better plan.

Dr. Crosse said that first he had demonstrated that these things were widely advertised. Then he proposed to classify the advertisements for female ailments and irregularities—first being those which re-establish menstruation; secondly, those for procuring abortion; and thirdly, those which are to prevent conception. The first two apply to women, and the third are common to men and women. He proposed to make certain remarks about these things and to give certain examples. The next division which he would make would be of remedies and appliances which have special reference to the male sex, and under that heading he would deal with cures for nervous debility, for exhausted manhood, and for venereal diseases. He proposed to make a special point of the cures which are advertised for venereal diseases, and of the danger of the treatment of such diseases except by qualified men. Those were the lines which he proposed to follow.

The Chairman said the Committee would then hear the evidence in private, and at twelve o'clock the room was cleared of the public.

The evidence of Dr. Crosse occupied the whole of the time before luncheon.

AFTER LUNCHEON.

The examination of Dr. Crosse was continued *in camera* until 2.55 p.m., when the general public were again admitted. Mr. P. Macleod Yearsley, F.R.C.S., went into the witness-chair and gave his views on deafness cures which are advertised largely in the daily papers. He divided these into two groups: (1) those that treat deafness with drugs and give advice by correspondence; (2) deafness instruments, such as ear-drums and vibrators. In dealing with the first group he instanced such "treatments" as that afforded by Keith-Harvey and the Drouet Institute, but mentioned many others and condemned them all. He had seen patients at hospitals who were absolutely incurable, but who had been treated by these people as hopeful cases. One servant-girl, who had paid the Drouet Institute twelve guineas in fees, was found to be stone deaf, and her life was seriously endangered by the treatment. Not only do these things do actual mischief in many cases, he said, but they delay skilled treat-

ment. With regard to vibrators, such as Macaura's, massage, Mr. Yearsley admitted, in some cases may do good, but it should be applied with great caution and under skilled supervision. Of ear-drums the cotton-pellet and cotton-wick are the best. Their use in the ear often causes a great deal of irritation, and sometimes they become fixed. Over a perforation the drum acts as a dam and prevents discharge, thus doing a great deal of harm. New advertisements of these deafness remedies are constantly cropping up, and witness handed in one he had cut from the "Daily Mail," in which an offer of 500*l.* was made if the remedy failed to cure any case of deafness in thirty days. Mr. Yearsley was of opinion that the evil demands some interference, but he was not prepared (on the invitation of the Chairman) to suggest any legislative remedy. Dr. Lynch was anxious to know if deafness quacks make much money, and whether they knew anything of the anatomy of the ear. He mentioned a case of a personal friend who had been under Macaura's treatment and believed in him, and asked if Mr. Yearsley could account for it. Witness could not, and remarked how curious it is that so many highly intelligent people go in for quack remedies. Mr. Cawley was interested in the "Daily Mail" announcement and mentioned three which he thought are the same thing. Mr. Yearsley said these things are continually cropping up under another name, and said he would absolutely prohibit all treatment by correspondence. Then Mr. Lawson took a turn, and asked if the drums and other appliances would be any more useful if supplied by surgical-instrument makers rather than by these advertisers. Mr. Yearsley's reply was that it is more a question of how they are applied. All the patterns of drums that are advertised are bad, he added, and he would prohibit the selling of all such appliances not ordered by a surgeon. Mr. Newton asked Mr. Yearsley if none of the substances mentioned by him in his statement regarding the analysis of various deafness cures are used by a fully qualified aurist. Turpentine and the oils mentioned would never be employed, witness replied, but glycerin and alcohol might be in some cases. Mr. Newton asked why surgical-instrument makers continue making these ear-drums if they are no good. Mr. Yearsley replied that few of them are sold by the regular instrument-makers, but some types are used in very special cases.

The Committee adjourned at 3.35 p.m., and the Chairman intimated that the next sitting would be on Tuesday, July 16, at 11.30 a.m.

NEW BOOKS.

Bottler, M. *German Varnish-making.* 8vo. 15s. net. (Chapman & Hall.)

Dutton, T. *Indigestion Clearly Explained, Treated, and Dicted: with Special Remarks on Corpulence and Gout.* 7th edit. $7\frac{1}{2} \times 4\frac{1}{2}$. Pp. 220. 2s. 6d. net. (H. Kimpton.)

Gattefosse, R. M. *Formulaire de Cosmétique parfumerie sans Alcool.* $7\frac{1}{2} \times 5$. Pp. 100. Paper cover. 1f. 50*p.* ("Parfumerie Moderne," 19 Rue Camille, Lyon.) [A little book, in French, which deals with the manufacture of toilet preparations without the use of alcohol. It begins with a series of aqueous perfumes, and this is followed by various skin-lotions, vinegars, hair-restorers, dentifrices, and fumigating pastilles in which synthetic perfumes are employed. There are numerous illustrations of essential-oil factories, those at the beginning being of English distilleries. A new edition has also been published of the same author's "Formulaire de Parfumerie," which is sold at the same price. The two volumes can be bought in one volume.]

Haldane, J. S. *Methods of Air Analysis.* $7\frac{3}{4} \times 5$. Pp. 140. 5s. net. (C. Griffin.)

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus.* Vol. II., Part 4. Pp. 30, with four plates. $12\frac{1}{4} \times 9\frac{3}{4}$. 2s. 6d. (Sydney: W. A. Gullick.) [Seven further species of *eucalyptus* are described, particulars being given of their range and affinities.]

White, J. W. *Flora of Bristol: Being an Account of all the Flowering Plants, Ferns, and their Allies that have at any time been found in the District of the Bristol Coalfields.* Illus. $8\frac{3}{4} \times 5\frac{1}{2}$. Pp. 732. 13s. 6d. net. (Simpkin.)

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

RADUA MANUFACTURERS, LTD. (P.C.)—Capital 20,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in preparations for cleaning and polishing metals and other substances, chemists and druggists, etc.

GWINN & CO., LTD. (P.C.)—Capital 800*l.*, in 20*l.* shares. Objects: To carry on the business of chemists, druggists, opticians, etc. The first directors are F. W. Armstrong, chemist, and R. T. Hamilton, accountant. R.O., Medical Hall, Cranleigh, Surrey.

MILLING-JOHNSON, LTD. (P.C.)—Capital 2,500*l.*, in 1*l.* shares. Objects: To take over the business of chemists and druggists carried on by J. Milling and F. Johnson at 48 Northgate Street, Chester, as "John Milling." They are the first directors. R.O., 48 Northgate Street, Chester.

HEADLAND & CO. (1912), LTD. (P.C.)—Capital 3,000*l.*, in 1*l.* shares. Objects: To take over the business of a chemist and druggist carried on by O. Berry at 140A Western Road, Brighton, as "Headland & Co." The first directors are O. D. Holmes, chemist, and A. E. Orbell, accountant.

PURIFOL UNIVERSAL CLEANER, LTD. (P.C.)—Capital 4,000*l.*. Objects: To carry on the business of manufacturing and general chemists, druggists, drysalters, and to adopt an agreement with Purifol Compounds, Ltd., and A. G. Parker, the liquidator thereof. R.O., 36 The Butts, Brentford, Middlesex.

AMALGAMATED TRADERS, LTD. (P.C.)—Capital 1,000*l.*. Objects: To carry on the business of general merchants, manufacturers of and dealers in foods, medicines, drugs, perfumery, and proprietary articles, etc. The first directors are L. Harwood and N. E. Robins. R.O., 15-17 Eldon Street, London, E.C.

DENTAL CHEMISTS, LTD. (P.C.)—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of suppliers of drugs, chemicals, medicated preparations, etc., for use in the dental and medical professions. The first subscribers and directors are: A. Roe, 31 Old Compton Street, W., chemist; W. Barrett and A. Barrett.

OFFORD HYGIENIC APPLIANCES (1912), LTD.—Capital 70,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in trusses, etc., and to adopt an agreement with A. Howarth and H. E. Hall. The first directors are J. C. Burlingham, J. T. Brown, R. J. Moffat, and W. F. Offord. R.O., 153 Cheapside, E.C.

LORIMER MARSHALL, LTD. (P.C.)—Capital 10,000*l.*, in 1*l.* shares. Objects: To take over the business of a wholesale druggist and perfumer lately carried on by E. Marshall as "Lorimer Marshall." The first directors are A. Jackson (managing director), J. A. Densham, and A. F. Jackson. Secretary: R. Stonehewer, 67 Trentham Street, Southfields.

J. C. BEGG & CO., LTD. (P.C.)—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of consulting, analytical, manufacturing, pharmaceutical, and general chemists, herbalists, etc. The subscribers are W. H. Bellamy, Grimsby, mineral-water manufacturer; and J. C. Begg, Lincoln, chemist and druggist. W. H. Bellamy is the first director.

TOWNSON & MERCER, LTD. (P.C.)—Capital 30,000*l.*, in 1*l.* shares. Objects: To take over the business of manufacturers of and dealers in chemical and scientific apparatus carried on at 34 Camomile Street and 55 Bishopsgate, E.C., as "Townson & Mercer," and to adopt an agreement with T. B. Townson and C. A. Mercer. The subscribers and first directors are T. B. Townson and C. A. Mercer, who are permanent governing directors, with salaries of 750*l.* each. R.O., 34 Camomile Street, E.C.

Company News.

MELLIN'S FOOD, LTD.—The directors announce a final dividend, making 4½ per cent. for the year ended March 31.

JOHN CRAVEN-BURLEIGH, LTD.—A notice of the appointment of A. Brentville, 165 Shaftesbury Avenue, W.C., as receiver or manager, on June 26, 1912, under powers contained in debenture dated October 7, 1909, has been filed.

CAMPHOR-TREE AFFORESTATION continues to be carefully nurtured by the Formosan Government, which in March last distributed 3,855,552 young trees for this year's plantings.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., July 11.

BUSINESS is exceptionally quiet, although goods are moving more freely, but many buyers complain of incorrect deliveries—one result of the lamentable dock-strike. Most of the coastwise shipping companies have during the past week shipped goods which have been waiting for weeks, and a fair quantity of stuff has been shipped abroad and to the Colonies. As to individual items among drug supplies, star-anise oil is somewhat easier; citronella oil is dearer, the crop being affected by the drought in Ceylon. Chamomile-flowers, even with a small demand, will be dearer before the arrival of the new crop, supplies of old crop being exhausted on the Continent. Sulphur, owing to inability to obtain arrivals, is temporarily dearer. Soy is scarce, owing to the price being so cut that it does not pay to carry stocks at the wharf. Saffron is up and kava-kava down, while Cape aloes was considerably cheaper at auction, where cascara sagrada also sold at easier rates. Linseed oil and turpentine are also lower. The principal changes are as follows:

Higher	Firmer	Easier	Lower
Chamomile-flowers	Eucalyptus oil	Anise oil	Aloes (Cape)
	Nutmegs	(star)	Coriander-seed
Citronella oil	Quince	Cascara	(new crop)
Saffron	Soy	sagrada	Glucose
	Sulphur	Gamboge	(liquid)
		Guinea-grains	Kava-kava
		Quillaia-bark	Linseed oil
		Senega-root	Turpentine
		(new crop)	
		Turmeric	

Cablegram.

NEW YORK, July 11.—A quiet market here. Opium is lower at \$6.25; jalap easier at 22c.; oil of peppermint easy at \$2.70; hydrastis-root lower, now \$4.90; Curaçao aloes has gone up to 10½c.; buchu steady at \$1.50, and cascara sagrada firmer at 9c.

London Markets.

ALOES.—Continental consumers have come on the London market as buyers, and have taken a considerable quantity of Curaçao off the first-hand market.

ANISE.—Sales of retail lots of Russian seed have been made at 26s. 3d. per cwt.

ANISE OIL (STAR).—Slightly easier, spot offering at 5s. 9½d. per lb., and second-hand parcels afloat are quoted at 5s. 4½d. c.i.f.

CANARY-SEED.—Although the demand is slow holders are firm, and ask 60s. per quarter for ordinary Morocco and Turkish and 67s. for good Morocco.

CARAWAY is unchanged at 33s. per cwt. for fair Dutch on the spot.

CARBOLIC ACID.—Crystals prompt 39-40° 7½d. and 35° 7d. per lb. Crude 60° prompt 2s. 6d. to 2s. 7d.

CASCARA SAGRADA.—For three-year-old bark 43s. 6d. per cwt. has been asked on the spot. Good business has been done for arrival at steady rates.

CHAMOMILE-FLOWERS.—A few sales have cleared all the cheaper lots off the market, and nothing is now to be had under 14s. per cwt. The new crop is promising, but as it is yet four to five weeks before the harvesting will commence, it is too soon to say anything definite as to prospects, although it is confidently stated that the crop is not good.

CITRIC ACID remains at 1s. 4*3*/₄ d. for English and 1s. 4*1*/₂ d. for foreign.

CITRONELLA OIL.—Prices have been influenced upwards by the drought in Ceylon, so that quality passing Schimmel's test is quoted in drums at 1s. 2*1*/₂ d. *ex* wharf.

CITRUS OILS.—A Catania correspondent, writing on June 26, says:

The lemon-oil market has again improved, export demand having become more marked. It is thought that they are engagements brought over from the preceding months, which are thus liquidated. The harvest is now nearly everywhere finished, and the greater part of the stock has passed into the hands of speculative capitalists, who keep up prices. Fresh demand might therefore cause the price to rise further. For the same reason the price of new-crop oils has risen. A slight demand for oil of bergamot has also sufficed to strengthen its position, but in new crop there is no business, the strain between sellers and buyers being still too marked. The new crop of oil of Portugal is better.

A Palermo report of July 14 states that the prices of lemon oil continue to advance rapidly, local buyers having been forced to pay the higher figures which holders have been asking. Speculation seems to have gained the upper hand entirely, and is pushing things to the extreme. Nevertheless, the prospects of the new crop are such as to suggest that the figure will be similar to that of two years ago, but it has to be noted that no definite basis can be formed in regard to the crop until the end of August. A better feeling in regard to oil of orange for both prompt and new crop is maintained and the market closes firm.

COCAINE.—The better demand for crude alkaloid which set in during June has kept the market situation and prices unchanged. *Hydrochloride* in 175-oz. quantities is offered in one quarter at 6s. 7*1*/₂ d.—an exceptionally low price.

CODEINE.—Messrs. T. & H. Smith, Ltd., are re-introducing the falling clause on codeine on contracts booked for forward delivery. It will apply to all contracts still undelivered, including those booked since March 13 last, when the falling clause was withdrawn.

COD-LIVER OIL is quiet on the London market at this season.

Our Bergen correspondent, writing on July 8, states that the oil market is steady and calm, with but little business doing. The nominal quotation for the finest non-congealing oil is 56s. per barrel f.o.b.

CORIANDER-SEED is slow of sale, and no sales are reported, but the quotation for Morocco remains at 12s. 6d. per cwt.

CREAM OF TARTAR.—Unchanged. Foreign 98 per cent. 85s. and 95 per cent. 83s.

CUMIN.—Further sales of Morocco have taken place at 22s. to 25s. per cwt.

ERCOT OF RYE is still scarce in Russia, and comes sparingly to hand at somewhat higher prices. Spanish new crop will be available towards the end of next month. The c.i.f. quotations are: German, 2s. 6*1*/₂ d. per lb.; Russian (sound), 2s. 9d.; Spanish (sound bold), 3s. 9d.

EUCALYPTUS OIL.—Further advices from Australia this week mention the probability of extreme prices. It is in good demand at previous rates.

FENNEL-SEED.—A fine green German variety is offering at 40s. per cwt.

FENUGREEK is inclined to be easier on the spot; sales are reported at 8s. 9d. to 9s. 6d. per cwt. according to quality, for Morocco.

GALLS will probably become dearer, following reports of poor crops. Many lots have been withdrawn from the market.

GLUCOSE.—Liquid water-white is easier; supplies can now be had at 13s. per cwt.

GLYCERIN.—There is no change in the home market, which is in a see-saw state. Buyers are not disposed to give sellers the prices that are wanted, thinking that some

weakening must take place soon, this being influenced by the Continental position following upon the dissolution of the Convention, which so far has not affected this market either way. Distilled or chemically pure glycerin remains unchanged at Convention rates, and is likely to remain so for some time—indeed, a good authority avers that the price may go higher. The present price for S.G. 1,260 in 5-ton contracts is 87*1*/₂ per ton, and 91*1*/₂ in tins.

GOLDEN-SEAL ROOT is steady at 21s. to 22s. per lb.

GUINEA-GRAINS are in more plentiful supply, and are quoted at 66s. per cwt.

KAVA-KAVA is quoted lower for arrival at 11d. per lb. c.i.f.

LINSEED.—Although Calcutta seed is lower, fine qualities are unchanged in price at 67s. to 70s. per quarter.

LINSEED OIL is again lower at 38s. spot.

LIQUORICE-ROOT.—Parcels of Russian recently come to hand show this season's quality to have suffered from wet. Rather higher prices will probably rule.

OLIVE OIL.—Higher rates are reported from the Continent consequent on crop shortage, but prices on this market have not responded so far.

OPIUM still keeps its easy tendency, with buyers awaiting developments. Reports in regard to the Salonica crop are quite favourable, and this, in view of the importance of the supplies from that quarter, will have a steady influence.

A Smyrna advice dated June 28 states: Several speculators came forward this week for new (1912) opium, and after buying a few baskets at 165 piastres they soon ran the price up to 170 piastres, which is equal to 18s. 10d. per lb. f.o.b. The opium which changed hands amounts to about 22 cases from low-lying districts, averaging about 9*1*/₂ per cent. of morphine. The price is equivalent to 22s. 6d. for old opium (11*1*/₂ per cent.). The weather during the week has been hot and dry. Arrivals amount to 259 cases, against 70 at same date last year.

A Constantinople correspondent writes on July 5: The week's sale for export are seven cases druggists' quality at 240 to 250 piastres per oke, and six cases Malatia at 240 piastres. The market is a little firmer, following considerable demand from local speculators, for whom negotiations have been made for delivery of 23 cases—viz., 17 druggists' quality at 265 piastres and six Malatia at 240 piastres. In spite of these speculative purchases here, as well as at Smyrna, we still hold that there is not at the moment any reason for raising prices. The arrivals are druggists' 47 and Malatia 23, against druggists' 22 and none last year. The stocks are druggists' 96, soft 3, and Malatia 22, 14, as compared with druggists' 265, soft 5, and Malatia 22 in 1911.

OTTO OF ROSE.—It seems that the new crop is still "priceless." On the other hand, buyers are not at all eager to purchase new crop, and are content to wait, as extremely high rates for the perfume exclude its use for many purposes and encourage use of artificial and synthetic roses, with consequent disuse of the natural otto. This has been indicated in these columns for many years, and now we seem to be reaching the realisation point, when the industries will prefer to rely upon synthesis for the perfume so as to ensure constant quality and supplies at moderate prices.

PEPPERMINT OIL.—This week's reports from the United States state that considerable supplies have been moved from the middle west to New York, and the market has been steadier in consequence. Prices are unchanged.

QUICKSILVER.—The first-hands price remains at 8*1*/₂ 10*1*/₂, but second-hands is firmer at 8*1*/₂ 5*1*/₂.

QUILLIA-BARK is offered at 27s. per cwt. *ex* wharf London, the demand not being quite so brisk as usual for the time of year.

QUININE.—The market is unchanged and little business done at last week's rates for German and Javan. A French manufacturer has offered B.P. testing sulphate at 8*1*/₂ d. per oz. At the auction held in Amsterdam on July 5 1,417*1*/₂ kilos. (50,000 oz.) was offered, and 1,275*1*/₂ kilos. sold at fl.13.50 per kilo., against fl.13.71 on April 26. The next auction will be held on July 19.

SAFFRON is higher, the price for fine quality being 44s. to 46s. per lb., with prospects of still higher rates.

SENEGA-ROOT.—The new crop is a shade easier—viz., 2s. 5½d. to 2s. 6d. per lb., according to quantity.

SENNA.—*Alexandrian* pods are scarce; the market is also bare of half-leaf. Both are wanted.

SOY is very scarce indeed, only a few barrels of Wochan being on the spot at a quotation of 1s. 5½d. Senloong is offered a little cheaper—viz., 1s. 4½d.—both duty paid.

SPICES continue slow and quiet. Bombay *Capsicums* offered at auction were bought in. Fifteen bags of mixed perished Japan *Chillies* sold without reserve at 26s. Ceylon *Cinnamon* sold without reserve; ordinary part woody thirds at 10d., fourths at 9½d., fifths at 6d. to 6½d., and wild at 6d. Of 489 bags Cochin and Calicut *Ginger* offered only 20 bags C cut sold at 65s., and 70 bags Liberian sold without reserve at 27s. 6d. for brown rough. *Nutmegs* were firm. West Indian sold: 68's at 8d., 74's at 7d., 82's at 6½d., 95's at 5½d., 102's at 5½d., 104's at 6d., 112's at 5½d., 118's at 5½d., 120's at 5d., 133's shrivelled and slightly wormy 4½d., 120's sound at 5d., and 142's at 5½d. Penang sold without reserve, 82's at 6d. and 123's at 5d., six cases 65's being bought in at 1s. *Mace* is quiet; two cases Penang part wormy and mouldy offered and sold at 2s. 3d. subject, and three barrels West Indian sold at 2s. 3d. for bright red broken and 1s. 10d. for dark inferior ditto.

SULPHUR.—Both flowers and roll are scarce on the spot, although there is plenty waiting to be unloaded, one vessel with over a thousand barrels lying in mid-stream for the past month. Roll is quoted at 6l. 10s. and flowers 6l. 15s. ex wharf.

TARTARIC ACID.—The nominal spot price for English keeps at 1s., while foreign is still quoted 1s. 0½d.

TOLU BALSAM is quoted in large tins at 3s. 2d., small tins at 3s. 5d.

TONQUIN-BEANS are becoming scarcer. Black Paras are quoted at 6s. per lb. and Angosturas at 24s.

TURPENTINE has declined further to 33s. 7½d. for American spot. August is quoted 33s. 9d., September-December 34s. 9½d., and January-April 35s. 4½d.

VALERIAN-ROOT.—Foreign grown is very scarce on the spot, 55s. per cwt. being asked.

London Drug-auctions.

Commercial Sale-rooms, Mincing Lane, E.C., July 11.
The supply of goods at the drug-auctions was considerably larger than on the last occasion, which is a hopeful sign that the effects of the strike are being gradually overcome. The chief feature was the fall in the prices paid for Cape aloes. Sumatra benzoin was in good supply and demand, but holders were firm. Buchu continues firm, with only small sales recorded. Cardamoms on the whole were unchanged, the supply being somewhat heavier than of late. Cascara sagrada sold cheaper in auction, being also easier for arrival. The new parcel of reboiled dragon's-blood found a hungry market, but gamboge, which is in big supply, is difficult of sale at the old figures. Jamaica honey was in large supply and sold well. Menthol offered without reserve sold at almost full rates. Cape quince-seeds, which are very scarce, reached a higher figure. Native sarsaparilla was firm, but no genuine grey Jamaica was offered, this being unobtainable in first hands. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Agar-agar	5 ... 5		Coca-leaves pdr.	122 ... 122	
Aloes—			Copaiaba	7 ... 0	
Cape	61 ... 30		Cuttlefish-bone	123 ... 0	
Zanzibar (cases)	10 ... 0		Dragon's-blood....	22 ... 15	
Ambergris	1 ... 0		Ergot	3 ... 0	
Anise, star	15 ... *15		Galbanum	13 ... 0	
Bay oil	1 ... 0		Gamboge	22 ... 0	
Benzoin—			Gum acacia	44 ... 0	
Sumatra	136 ... 56		Honey—		
Buchu	26 ... 8		Cuban	27 ... 9	
Calumba	115 ... 95		Hayti.....	3 ... 0	
Camphor—			Jamaica.....	282 ... 278	
Jap. ref.....	14 ... 14		Ipecacuanha—		
Cannabis indica	41 ... 0		Cartagena	5 ... 0	
Cardamoms & seed 205	170		Minas	2 ... 1	
Cascara sagrada	226 ... 196		Kamala	3 ... 0	
Cashew-nuts.....	74 ... 0		Kino	25 ... 0	
Cassia fistula	10 ... 0		Lime-juice	19 ... 0	
Cinchona	10 ... 0		Lime oil.....	1 ... 1	

* Sold privately.

	Offered	Sold		Offered	Sold
Liquorice-root	30 ... 0		Squill.....	5 ... 0	
Menthol	6 ... 6		Tamarinds	29 ... 0	
Musk	2 ... 0		Tonka-beans	4 ... 2	
Myrrh	12 ... 0		Tragacanth	10 ... 2	
Olibanum	130 ... 0		Turmeric	423 ... *86	
Opium	1 ... 0		Wax (Bees')—		
Peppermint-oil	8 ... 8		Aden	11 ... 0	
Quince	4 ... 2		Calcutta	16 ... 0	
Rhubarb—			China	21 ... 0	
China	52 ... 8		East African	100 ... 26	
Rhapontica	32 ... 0		East Indian	8 ... 0	
Sandalwood chips	20 ... 0		Jamaica	15 ... 11	
Sarsaparilla—			Madagascar	76 ... 0	
Native Jam.....	12 ... 11		Morocco	6 ... 0	
Senna and pods—			Spanish	25 ... 0	
Tinnevelly	156 ... 67				

AGAR-AGAR.—Five bales of fair Kobe strip sold without reserve at 1s. 7½d.

ALOES.—*Cape* were about 3s. to 4s. cheaper, fine hard bright selling at 40s. to 42s.; ditto, part softish, 37s. to 39s.; softish seconds, 35s. to 35s. 6d.; part drossy, 31s. 6d.; while bright cindry fetched 36s. Prices were very irregular, and the lower qualities were neglected. *Zanzibar* in skins did not sell, and were withdrawn at 65s. to 70s. for black softish to fair livery slightly pasty.

BENZOIN was in full supply, and of 136 cases offered, 56 sold well at unchanged rates. Good Sumatra seconds, with well-packed almonds, selling at 8l. 5s.; fair to good ditto, at 6l. 15s. to 7l. Fair Sumatra thirds were knocked down 5l. 15s. to 5l. 17s. 6d.

BUCHU was in better supply, with 36 packages offered. One bag of good green short round sold at 6s., and a parcel of 6 bales of the same quality was strictly limited at 6s. 6d. The remainder of round leaves was bought in at 6s. to 6s. 6d. One bale of green ovals, a little stalky, sold at 2s., another similar bale going at 1s. 11d. subject, the rest being bought in at 2s. 2d. One bale good green longs with very little stalk sold well at 2s. 9d., and 3s. 8d. is the limit for another bale not quite so good.

CALUMBA.—Twenty bags of small to medium washed yellow pickings sold at 15s. 6d., and common brown small to medium sorts at 9s. 6d., with sea-damaged at 8s. 6d.

CAMPHOR.—Fourteen cases of Japanese refined in 1-oz. tablets in 1-lb. tins, sold at 1s. 7½d. to 1s. 7½d. per lb.

CARDAMONS sold at full rates for best qualities, medium grades being lower at first, but the last lots sold at previous prices. Ceylon-Mysore, extra bold pale, sold at 5s. 2d. to 5s. 4d., bold and medium pale 4s. 6d. to 4s. 10d., small palish 4s. to 4s. 4d. *Splits*, bold medium 4s. to 4s. 2d., medium 3s. 10d., bold small 4s., small 3s. 6d. to 3s. 8d., ditto brown 3s. 7d., one case fair seed sold at 4s. 1d. *Indian* was again in good supply, the parcels being all that are expected for some time. Extra bold selected sold at 5s. 5d. to 5s. 8d., and somewhat yellowish ditto at 5s. 3d. to 5s. 4d., bold and medium 5s. 1d. to 5s. 4d., small and medium 4s. 9d. to 5s., small 4s. 4d. to 4s. 6d. *Splits*, medium 4s. 2d., medium and small 3s. 11d., bold and brown 4s. 6d., medium ditto 4s. 5d., and small ditto 4s. 2d.

CASCARA SAGRADA is easier. 166 bags of good fair quilly bark, 1910 import, sold without reserve at 40s. 6d., rising to 41s. 6d. A further 90 bags of 1911 import, offered on the same conditions, sold at 39s. 6d. for 30 bags, 39s. being offered, and will be submitted for the remainder.

COCA.—90 bags of greenish ground Java leaves sold at 2½d., and 32 bags damaged at 1½d. to 2½d.

COPAIBA.—A parcel of 7 cases Para, including 2 cases filtered, was withdrawn at 2s.

DRAGON'S-BLOOD.—Fine re-boiled lump, a few pieces dark, sold at 11l. 10s., the last case going for 11l. 17s. 6d. These goods have been wanted for some time, and the demand was not filled.

GAMBOGE was in large supply, but met with no demand, good Siam pipe being bought in at 15l. to 15l. 10s., and good pickings at 12l.

HONEY.—Jamaica comprised the bulk of the offerings, and sold well, white and palish set 31s. to 34s., brownish ditto 28s. 6d. to 30s. 6d., pale to amber setting 27s. 6d.

to 31s., ditto, liquid 28s., dark liquid 25s. to 26s., brown setting 25s. to 26s., and pale set syrupy 26s. Cuban sold at 30s. for pale set, and 23s. to 23s. 6d. for dark liquid.

IPECACUANHA was in small supply. Minas sold cheaply at 8s. 2d. for one bale, and for Cartagena 7s. 6d. is asked.

KINO.—A new arrival of 25 cases of poor quality black grain, with little or no astringency, were refused at 6d.

KOLA-NUTS.—A lot of 18 bags advertised for auctions could not be offered in time. These nuts are much wanted, and will probably sell at full rates when obtainable.

LIME OIL.—One case of hand-pressed sold at 7s. per lb.

MENTHOL.—Six cases were offered without reserve, four cases of which were damaged exteriorly, the labels being more or less wet and stained. The menthol itself was sound. The goods sold at 22s., rising to 22s. 5d. The remaining two cases of sound goods fetched 22s. 6d. to 22s. 7d.

MYRRH.—Twelve bales only came under the hammer, fair Aden sorts, rather dusty. For these 50s. was refused, 52s. 6d. being the limit.

OLIBANUM.—Ten cases of pea size were withdrawn at 52s. 6d., twenty cases of drop at 53s., and garbled drop at 29s.

OPIUM.—For one tin of small Turkey balls, containing 11.49 per cent. morphine, 20s. 6d. was bid, but it was held for 21s.

PEPPERMINT OIL.—Eight cases Suzuki sold without reserve at 5s. 9d. to 5s. 10d.

QUINCE-SEED.—Four bags of good Cape seeds, slightly blocky, sold at 2s. 6d. per lb. for two bags, this being the limit for the balance, which was withdrawn.

RHUBARB.—Fifty-two cases offered, largely composed of flat High-dried. Five cases good flat High-dried, three-quarters fair to good pinky fracture, sold at 1s. 2d. for medium and small. Darker coated lots were withdrawn at 1s. 1d. to 1s. 2d. A parcel of six cases rough round High-dried is strictly limited at 11d. In Canton two cases only were offered, one of medium to bold round half pinky fracture, fair coat, for which 2s. is wanted, and one case flat ditto at the same price. A new parcel of 10 cases good coat, but pale pinky fracture, was firmly held, bold round being bought in at 3s. 6d., medium round selling at 3s., small round druggists' held for 3s. 3d.; flat at 2s. 10d., and pickings, round and flat, selling at 1s. 10d. Rhabonticaroot did not sell, 10 bags of trimmed being withdrawn at 5s., and for trimmings 36s. is wanted.

SANDALWOOD-CHIPS.—A new arrival of 20 bales East Indian were withdrawn at the high figure of 35s.

SARSAPARILLA.—No true grey Jamaica was offered. Native wild sold : yellow at 9d., yellow and reddish mixed at 1s., and good red, part chumpy, at 1s. 2d. to 1s. 4d.

SENNA.—Only Timnevelly offered. Of 156 bales of pods and leaves, 67 were sold at unchanged rates. A fair proportion of these parcels were marked new crop, although of May import. Small yellowish to green sold at 1 $\frac{1}{2}$ d. to 1 $\frac{1}{2}$ d., medium greenish at 2d., green medium at 2 $\frac{1}{2}$ d. Pods 1 $\frac{1}{2}$ d. for dark to 1 $\frac{1}{2}$ d. for fair.

TAMARINDS.—Twenty-nine packages of fair rather dry West Indian were retained at 13s., with 12s. 6d. bid and refused for goods in bond.

TONKA-BEANS.—In small supply. For one case fair dry, partly foxy Paras, 5s. 3d. was bid and refused, the limit being 5s. 6d. A small parcel of 7 lb. dry foxy sold at 3s. 6d., and a little lot of 12 lb. soft pickings at 3s.

TURMERIC.—The market is dull and weak. Of 423 packages offered, 86 were sold privately before the auctions. Nothing sold in the auctions. Good Madras bulbs are held for 20s. Good finger at 25s. to 26s. Split Cochin bulbs at 16s.

WAX (BEES').—Quiet except Jamaica, which sold well, mixed ordinary yellow and red, part dark, at 8s. 12s. 6d. to 8s. 15s. Eight bags of East African sold at 7s. 2s. 6d. for fair yellow, and 6s. 7s. 6d. for ditto, of somewhat paraffiny character. Ten bags East African pipe, yellow to red, part drossy, sold at 7s. 2s. 6d.

Heavy Chemicals.

The demand in the heavy-chemical market keeps up well, and deliveries, particularly against existing contracts, are brisk, and, in fact, in various cases of such a nature that the manufacturers are unable to work into stock. Shipments are also heavier. Values generally are on the firm side.

SULPHATE OF AMMONIA is a dull market, and prices are lower. Beckton, prompt, 25-per-cent. ammonia guaranteed, 14s.; London terms, 15s. 7s. 6d. to 15s. 10s.; Leith, 14s. 6s. 3d. to 14s. 7s. 6d.; Liverpool, 14s. 5s. to 14s. 7s. 6d.; and Hull, 14s. 5s. to 14s. 6s. 3d.

ALKALI-PRODUCE.—A steady business is being done in both main and miscellaneous products. Bleaching-powder is still in short supply, while there is a continued good demand. Prices vary from 4s. 7s. 6d. to 5s. 5s. per ton in casks, on rails, according to conditions of sale. Caustic soda in brisk request for both home and export; 7s. to 7s. 7s. 6d.; 10s. 7s. 6d.; 70 per cent., 9s. 12s. 6d.; and 60 per cent., 8s. 12s. 6d., with export figures 7s. 6d. per ton less. Ammonia alkali has met with increased demand since the lower prices came into operation; these figures vary from 2s. 17s. 6d. to 3s. 10s. per ton, free on rails, for home trade. Soda-crystals are moving well at 2s. 2s. 6d. to 2s. 5s. per ton in bags, on rails. Bicarbonate of soda moves steadily without material pressure, and stands at 5s. to 5s. 15s. per ton, according to packages, etc. Saltcake quietly steady at 4s. 6d. Chlorates of potash and soda are about an average at unchanged figures of 3s. 6d. to 3s. 6d. Yellow prussiates of potash and soda have maintained their late firmer tone, and higher figures seem likely: potash 4s. 6d. to 5d., and soda 3s. 6d. to 3s. 6d. Hyposulphite of soda in very fair request, and some supplies are on the scarce side. Ordinary crystals, in casks, vary from 4s. 15s. to 5s., according to make, with extras for smaller quantities. Deliveries in 1-cwt. kegs vary from 5s. 10s. to 7s. 15s. per ton, according to quality and quantity. Silicates of soda are in good demand: 140° Tw., 4s. 7s. 6d. to 4s. 17s. 6d.; 100° Tw., 3s. 17s. 6d. to 4s. 7s. 6d.; and 75° Tw., 3s. 10s. to 4s. per ton, according to quality, quantity, and destination.

Manchester Chemical-market.

July 9.

The Lancashire holidays in the cotton districts are influencing demand to some extent, although there is little change to note in prices. Sulphate of copper remains on the easy side, and is quoted 22s. 10s. to 22s. 15s. per ton best brands, delivered Manchester. Arsenic, white powdered, also maintains fully late rates. Borax quiet. Brown acetate of lime is held for 3s. to 3s. 5s. per ton, c.i.f., for American. Little or no English made offering. Roll sulphur in 3-cwt. barrels quoted 7s. to 7s. 5s. per ton on rails.

English Herb-crops.

Messrs. W. Ransom & Son, Hitchin, write: "We anticipate that the peppermint and lavender crops will be about up to the average, although, as there is much less acreage of the latter than formerly, the total quantity of oil produced will be small."

Mr. Jos. Seymour, of the Essential Oil Distilleries, Holbeach, writes: "My peppermint-crop is looking well on the whole, the second and third cuttings being in fine condition. The newly planted herb has improved greatly during the last few days."

Messrs. M. & A. C. Bing, Lavender Distillery, Grove Ferry, Kent, report that peppermint is looking only fairly well, there being at places signs of red rust. Lavender appears very good, but acreage is small. Everything now depends on the amount of sunshine.

Messrs. Potter & Clarke state that, given normal conditions during the remainder of the summer, the prospect of the crops of English herbs is very encouraging. Camomile-plants are excellent, double the size of last year, and with a little more sun should give a good supply of flowers. Aconite, horehound, hyssop, marshmallows, lavender, peppermint, and rue will yield heavy crops. Pennyroyal is thin, the only plant doing badly this year. Among culinary herbs, sage, thyme, parsley, and mint are giving much heavier crops than last year, being in good leaf and of excellent aroma.

An Official Statement.

A statement has been issued by the Port of London Authority in reference to the removal of various staples from the Crutched Friars warehouse. As already noted in the *C. & D.*, drugs are to be shown in the near future in the Cutler Street warehouse, where the necessary alterations are now being made. Removal is dependent on the completion of alterations, which the Authority expect to be completed before the end of the year. The Port Authority has issued a typed statement regarding

the historical interest of the warehouse, from which we reprint two paragraphs, viz.:

"This Crutched Friars warehouse is also a storehouse for all the great drug staples of the world. Rhubarb, ipecacuanha, aloes, sarsaparilla, and many other drugs are regularly received in large quantities for classification, sorting, sampling, showing for public sale, and storing. One article in particular which may be noted is vanillees, a genus of the orchid found in the West Indies and Mauritius, from which the flavour known as vanilla is obtained. Another article is balata, somewhat akin to guttapercha. Shells from all parts of the world which are used for ornamental and other purposes are also dealt with, including tortoiseshell, mother-of-pearl, green ear, Japan ear, and bull-and-mouth varieties. Many other articles of great commercial value, such as musk, ambergris, civet, ylang ylang, sponge, and beeswax, all come regularly to the Authority's specially chosen storage quarters."

Vanillees also go to Cutler Street. Rubber, which has outgrown the facilities at St. Katharine Dock, is to be accorded a special warehouse and vaults at the London Dock, where it can be received, examined, sampled, and stored against delivery to consumers under ideal conditions. Balata and shells will also be dealt with at the London Dock.

Java Coca.

Dr. de Jong has conducted comparative experiments with the large and small leaved varieties of coca in Java, with a view to determining which gives the better yield. Seed of both varieties was sown on the same day, the seedlings were planted out on October 18, 1909, and leaves were harvested from them for the first time on October 27, 1910. The yields per 100 plants were 5.5 kilos. from the small-leaved kind, and only 1.19 kilo. from the large-leaved variety, or, after drying, 2.08 and 0.326 kilos. respectively. The small-leaved coca is referred to *Erythroxylon Coca* var. *nova granatense* (Java coca), and the large-leaved to *E. Coca* (Huanuco coca).

Bergamot Oil.

Writing in regard to bergamot oil, the U.S. Consul at Catania reports that the persons engaged in the industry are comparatively few and have an almost exclusive monopoly. The world's demand is steadily increasing, while the supply has decreased about 40 per cent. during the last three years. When in addition to these permanent causes for high prices there are added crop curtailments, coupled with the independent position of the producers, the high prices are easily accounted for. The decline in the production is attributed to the fact that the earthquake in December 1908 destroyed many groves and that there is now less adulteration than formerly. Another important factor that tends to a steadily decreasing supply is that all of the bergamot trees are very old and that no young trees have been planted for many years. High winds just at picking time this season stripped the trees of fruit. The factories' capacity is inadequate to dispose immediately of any large quantity of fruit, and a great deal becomes unfit for manufacture through decay. The producers of bergamot oil have received good prices during the last few years, and are consequently in a position to withhold their oil and dispose of it at will. It is stated that a movement to cultivate the bergamot in Messina Province has begun by grafting bitter-orange trees with bergamot. It will, however, be several years before any fruit of a commercial value can result.

Ceylon Citronella Oil.

The exports of citronella oil from Ceylon during 1911 showed a decline of 187,963 lb. as compared with 1910. The following are the actual exports and their distribution:

	1910. lb.	1911. lb.
United Kingdom	857,035	690,036
U.S.A. ...	522,570	487,200
Germany ...	236,229	219,812
Australia ...	96,048	110,735
Other countries ...	51,037	67,173
	1,762,919	1,574,956

The decline is chiefly apparent in the shipments to the United Kingdom, which are 166,999 lb. less than last year. The year in Ceylon opened with little inquiry, and rates fell gradually to about 54 cents per lb. During July and August a sharp reaction took place, and rates rose to 65 cents, but the increase in supplies, owing to the higher rates, soon adversely affected the price, which fell away to 57 cents, with a slightly better tendency towards the end of the year, when the quotation stood at 58 to 60 cents. The weather throughout the year was unfavourable, the drought in the early part and the heavy rains which fell

throughout the Southern Province from October to December combining to make supplies short.

Italian Tartaric Materials.

A Palermo report states that the wine production in Italy and Sicily last year proved smaller than anticipated, and in consequence tartaric materials are very limited. The actual prices which foreign makers are willing to pay renders business impossible, as they show a loss to producers. Moreover, the cost of fuel, transport, shipping expenses, labour, etc., have all increased, and it is now impossible to dry lees and tartars and to manufacture brown tartar or vinaccia at the prices of three or four years ago. . . . It is estimated that the current rates are 25 to 30 per cent. below the actual cost of production. Consequently the vinaccia makers in Apulia are agitating for Government protection of their industry, and would like to constitute a syndicate to regulate the price and sales of tartaric materials. The Camera Agrumaria and the Sulphur Consortium are cited as examples of what has already been done in this direction. The Government are also to be asked to afford facilities for the erection of tartaric-acid factories in Italy and in Sicily, but anything approaching a monopoly or interference with private trading naturally arouses the antagonism of the merchants. The following figures show the quantity and value of the exports of tartaric material from Italy during the year ended September 30, 1911:

	Tons	£
Half-refined argols...	435	27,185
Vinaccia argols	1,707	90,385
Crude argols	4,285	185,125
Lees...	3,832	71,055
Total ...	10,259	373,750

German Alcohol.

The following statement shows (in gallons) the production of alcohol in Germany, the amount consumed as a beverage, the consumption in the industries, and the exports to foreign countries during the past six campaign years:

Years	Production	Consumed as a beverage	Industrial Arts	Exports
	Gals.	Gals.	Gals.	Gals.
1905-6	115,667,669	59,852,758	39,119,288	4,454,935
1906-7	101,352,013	64,450,194	35,404,784	5,695,933
1907-8	106,160,656	62,623,194	42,088,189	458,508
1908-9	112,675,045	68,740,462	39,233,146	281,077
1909-10	96,426,895	47,623,195	49,882,493	270,299
1910-11	91,765,078	51,860,069	37,141,633	310,479

Japanese Celluloid.

In a report on the celluloid industry of Japan by an American Consul, an account is given of the establishment of a factory at Sakai, and another at Aboshi, reference to which has been made in previous issues of the *C. & D.* It is stated that the normal capacity of the Sakai factory will be 1 ton per day of ten working hours, or 1½ ton at fourteen working hours; of the Boshi plant, 3 tons per day; but it is not thought possible for them to produce their normal capacity, and 600 to 700 lb. per day will be the limit, at least for the present, of the Sakai factory. The output will be of very medium quality, owing to the inferiority of the materials from which it is made and the lack of skilled labour. Only the cheap qualities of celluloid are used in Japan, and this will be what the factories will produce. The imports in 1910 were about 700,000 lb., of which 300,000 lb. was re-exported to China in a manufactured state. While the cost of labour will be low in comparison with the prices paid in the United States, it will take five or more workers in Japan to perform the work done by one person in the United States. The average cost for all classes of labour at these factories will approximate 50c. per day of ten hours.

COPPER SULPHATE IN FRANCE.—The total importation of copper sulphate into France during 1911 is given as 17,759 tons, the consumption being estimated at 65,000 tons. Last year Bordeaux imported 12,120 tons, an increase of 5,054 tons on 1910, almost the whole of which came from the United Kingdom.

Spanish Essential Oils.

In the course of an American Daily Consular and Trade Report written by Mr. E. J. Norton, of Malaga, a review is given of the business in Spanish essential oils during 1910 and 1911. Mr. Norton states that "About twelve years ago the production of essential oils was commenced in this province, and although one of the less important, as measured by the value of the product, it is one of the growing, and apparently one of the most successful, of the newer local industries. There are five establishments at Malaga engaged in the manufacture of essential oils, two of the plants being modern steam distilleries with German chemists in charge. As the entire product of the factories are exported, all processes of distillation, expression, and enfleurage are conducted in the most scientific manner. The character of the industry is illustrated by the variety of products exported, which are, among others, oils of juniper, red thyme, rosemary, lavender, spike, geranium, pennyroyal, anise, neroli, and lemon. While there is little or practically no cultivation of herbs or flowers for the production of essential oils, raw materials are obtainable in abundance and the distilleries are able to operate all through the year."

B.P.C.

HOTEL ACCOMMODATION IN EDINBURGH.

The impression has got abroad that members of the British Pharmaceutical Conference who are to be present at the meeting in Edinburgh which begins on July 29 are experiencing difficulty in getting hotel accommodation. We have had a conversation with Mr. T. Stephenson, Hon. Local Secretary, on the subject, and he informs us that anyone who has the slightest difficulty should communicate with him at 137 George Street, Edinburgh. Mr. Stephenson has succeeded in getting good accommodation for those who have written complaining to him. There are many hotels in Edinburgh, and enough accommodation for all B.P.C. members.

MORE PAPERS.

We gave last week the titles of thirteen papers promised. Following are seven more :

Solubility of ether in normal saline solution.
An oil from an East Indian bark.
An unrecorded microscopical character of bael-fruit.
The iodine-content of thyroid gland.
The formaldehyde solution and tablets of commerce.
Note on the test for brucine in strychnine.
Potass. sulphurata.

EXECUTIVE MEETING.

A meeting of the Executive Committee was held at 16 Bloomsbury Square, London, on Tuesday, July 9. Mr. W. A. H. Naylor in the Chair. Messrs. J. C. Umney (Treasurer), E. M. Holmes, T. H. W. Idris, Thos. Tyrer, J. F. Tocher, F. Ransom, J. P. Gilmour, Edmund White (Vice-Presidents), R. R. Bennett, E. F. Harrison, C. A. Hill, J. Rutherford Hill, F. W. Gamble, D. Lloyd Howard, and E. Saville Peck and H. Finnemore (Hon. General Secretaries) were also present, and Mr. T. Stephenson (Hon. Local Secretary), attended on behalf of the Local Committee. The draft annual report and the financial statement were approved, as also was the suggested list of officers for 1912-13. The final arrangements for the meeting of the practice section were made. Mr. Edmund White consented, in the absence of the President of the Pharmaceutical Society, to take the chair at the meeting, where the paper on "The Relations of Physician, Pharmacist, and Patient" is to be read, and Mr. J. P. Gilmour will preside at the discussion on "The Training of Apprentices." The following fifty-one new members were elected, of whom seventeen were nominated by Mr. Thos. Stephenson (Hon. Local Secretary) :

Atkinson, A. P., London.	Crawford, D., London.
Bates, W., Southampton.	Elder, A., Birkenhead.
Benson, R. H., London.	Goodyear, N. S., London.
Blenkiron, J., Edinburgh.	Garrow, W., Stirling.
Boyack, W., London.	Griffiths, R. E., London.
Brown, W. R., Glasgow.	Gunstone, H. C., Oxford.
Buchanan, D., Kirriemuir.	Guthrie, T., Clydebank.
Clarke, W. J., Stockton-on-Tees.	Hanyan, Dzao, Liverpool.
	Harley, T., Perth.

Harmer, G. A., Eastbourne.	Moffatt, W. J., Glasgow.
Hart, J. H., Glasgow.	Moore, C. E., Porrensville, South Australia.
Hunt, H. J., Dundee.	Murchie, J., Glasgow.
Idris, W. T., London.	Nicholson, J. G., Edinburgh.
Innes, G., Edinburgh.	Nicholson, J. H., Dumfries.
Irvine, P., Glasgow.	Peacock, J. R., Glasgow.
Johnston, G. F., Broughty Ferry.	Presant, C. S., London.
Laycock, W. F., Liverpool.	Price, W., Eastbourne.
Mackay, G., Glasgow.	Prince, H. C., West Bridgford.
Marshall, R., Grangemouth.	Park, John, Newcastle.
McDiarmid, F., Edinburgh.	Robertson, R., Dunfermline.
McClelland, J., Ballyshannon.	Royle, J., Glasgow.
McDonald, W. G., Inverness.	Sclater, D. H., Edinburgh.
McInroy, J., Liverpool.	Sergeant, F. Ross, Nottingham.
McMurray, P. B., Helensburgh.	Suttie, J. H. C., Bearsden.
McRae, C., Liverpool.	Weir, A. S., Kemnay.
McVitac, J. B., Glasgow.	Widdowson, T. S., Brockley.

LONDON TO EDINBURGH.

Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C., informs us that it is proposed to get reserved carriages for those in London who are to attend the Conference on Monday, July 29. The Midland Railway train which leaves St. Pancras at 9.30 A.M. is suggested, and those who would like to join the party are invited to write to Mr. Woolcock, who will make the necessary arrangements.

THE LADIES' COMMITTEE.

On the opposite page we print a group of portraits of most of the members of the Ladies' Committee in Edinburgh. Of this committee the President is Mrs. Laidlaw Ewing, whose husband is Chairman of the Local Committee. She has as Vice-Chairman Mrs. Rainy Brown, the wife of Mr. D. Rainy Brown, one of the partners in Messrs. J. F. Macfarlan & Co. The Hon. Secretary is Mrs. Blenkiron, whose husband, Mr. Jeremy Blenkiron, is one of the successors to the business of the late Mr. Pottage at 115 Princes Street. Mrs. A. Campbell Aitken's husband is the son of Mr. Robert Aitken, Vice-Chairman of the Local Committee and proprietor of Messrs. H. C. Bailldon & Son's pharmacies. Mrs. Thomas Bayne's husband is a L.P.S.I., and is on the staff of Messrs. T. & H. Smith, Blandfield Chemical Works. Mrs. Bristow Care's husband is one of the most popular "knights of the road" in Scotland, where he represents Messrs. Southall Bros. & Barclay, Ltd. Mrs. Inglis Clark is the wife of Dr. Inglis Clark, of Messrs. Duncan, Flockhart & Co., and her son (who like his father is a Science graduate of Edinburgh University) is now engaged with him in the firm's chemical works. Mrs. Coats has a double bond with pharmacy, she being the daughter of the late Mr. William Pinkerton, an Edinburgh wholesale druggist, and the wife of Mr. John T. Coats, Ph.C. Mrs. Coull's husband is Dr. George Coull, a member of the Board of Examiners for Scotland and a director of Raimes, Clarke & Co., Ltd. Mrs. Cowie is the wife of Mr. W. B. Cowie, F.C.S., Principal of the Central School of Pharmacy, Edinburgh. Mrs. R. L. Hendry's husband has a successful pharmacy in Earl Grey Street. Mrs. Claude F. Henry's husband is in business in Brandon Terrace. Mrs. Merson is a comparative newcomer to Edinburgh, her husband, Mr. G. F. Merson, F.C.S., having joined the staff of Messrs. J. F. Macfarlan & Co. a little over a year ago. Mrs. Rowland is the wife of the Assistant Local Secretary, Mr. G. H. C. Rowland, 7 Castle Street; both are exceptional musicians. Miss Dott is a gifted writer, and the Conference Edinburgh Guide Book is from her pen; she is a sister of Mr. D. B. Dott, F.R.S.E. Miss Brew is on the Pharmaceutical Society's staff at 36 York Place. Miss Boa is the elder daughter of Mr. Peter Boa, Ph.C., who was Hon. Local Secretary to the Conference when it met in Edinburgh twenty years ago; and Miss Julia Glass is the daughter of a well-known pharmacist, and herself is one. We regret that we have not received in time portraits of Mrs. Bliss, Mrs. William Duncan, and Miss Dick, who also are members of the committee.



Members of the B.P.C. Edinburgh Ladies' Committee.

Index Folio 67



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

What are the Tests for Turpentine?

SIR,—Most pharmacists are satisfied, I imagine, if they test their turpentine by the alcohol and acetic-acid tests of the British Pharmacopœia and find it to answer satisfactorily. We now learn that food and drug authorities are taking samples from chemists over the country, and declaring that turpentines which pass the B.P. test really contain from 25 to 40 per cent. of foreign oils. The literature on the subject is scanty, but analysts seem to rely on a reaction with sulphuric acid.

Yours truly,

J. C. MCWALTER.

[No one, of course, would seriously suggest that the tests of the British Pharmacopœia, which are merely indications of characters, which the pure oil actually has, are safeguards against adulteration; nor is it quite correct to say that analysts rely on a reaction with sulphuric acid, which presumably means the destructive reaction of this acid on the terpene hydrocarbons. The examination of turpentine is now in a somewhat complicated condition, and those interested in the matter might consult the last two years' issues of "The Analyst," where they will find numerous papers on the subject. An exhaustive fractional distillation, with minute examination of the various fractions, probably affords the best available information to the analyst, the common form of adulteration with petroleum products presenting little difficulty to an experienced chemist. The trouble begins, even for the expert, when carefully rectified so-called "wood turpentine" is present. This so closely resembles normal turpentine as to simulate it in most of its characters. Of the many colour reactions published for this oil none is of the slightest use if the adulterant be carefully rectified. In the case of Russian turpentine a great deal of the middle runnings is extracted on the spot for home use, and the first runnings and "tailings" are used to add to the turpentine exported, which must be regarded, therefore, as adulterated by abstraction. We understand that these two matters are occupying the careful attention of the turpentine market, and that it is proposed to put the whole matter into the hands of an expert for the purpose of carefully investigating the question, with a view to setting up official standards. One point must be remembered—namely, that the official name for the oil in the Pharmacopœia—i.e., "Oil of Turpentine"—is not the same thing as "Turpentine." If a chemist sells "Turpentine" he is not under the same onus to supply an oil corresponding with the B.P. requirements as if he is asked for "Oil of Turpentine." The decision in Fowle v. Fowle, where a grocer had sold beeswax, must be accepted with caution on account of the special circumstances of the case, but it suggests that the sale of oil of turpentine that did not correspond with the B.P. standards would not be an offence under the Sale of Food and Drugs Acts if it were clearly established that it was sold for purposes other than medicinal. Nevertheless, chemists should be careful to see that their stocks of the article are in good order, and be ready for an inspector's visit.—EDITOR, C. & D.]

Dulcitol Wholesale.

SIR,—At the meeting of the Chemical Society on May 16, during the discussion of the paper on the root-bark of *Euonymus atropurpureus* (C. & D., May 25, index folio 781), Dr. Harden suggested that the bark would form a cheap source of supply of dulcitol. This carbohydrate is also present in *E. europaeus*, in a climbing species of *Celastrus*, and in *Elaeodendron glaucum* in India. Monteverde in 1894 showed this principle to be present in several species of *Celastrineæ*, and a characteristic constituent of the natural order. In 1909 I read a paper before the

Asiatic Society of Bengal on the "Secretion of *Phromnia marginella*, Olivier," in which attention was drawn to the "ghost bug" feeding on elaeodendron trees and secreting a substance consisting largely of dulcitol. The sugary deposit made by these insects is of a pure white colour; it occurs in grains of various sizes, or forms a thick incrustation on and around the organs of the plant. It gives to the bushes below the appearance of having been whitewashed or frosted. The secretion does not appear to be generally used, although the people of Garhwal are said to eat it occasionally. In some places the insect is regarded as a pest. Considering that there is a demand for dulcitol, the experiment of propagating the ghost bug, or *Phromnia marginella*, might be worth trying. In some seasons the insect is very abundant, and the deposit could be collected in large quantities. The facility with which the lac insect is transferred from one host-plant to another might induce the Forest Department to experiment with the *Phromnia* bug and obtain its secretion for the wholesale market.

D. HOOPER.

Indian Museum, Calcutta, June 13.

Customs and Excise Chemical Officers.

SIR,—So far I have dealt with this chemical officer question entirely from a Revenue point of view. There are two other points of view of interest and importance to the merchant. One is the inadvisability of commercial interests being in the hands of young inexperienced officials, and the other is the protracted delay caused to merchants by the present centralising system of the Government Laboratory. Scattered over the United Kingdom, these local chemical officers do a lot of the spade labour, and so relieve the Government Laboratory of much routine work. Probably this factor is their *raison d'être*. But though the analytical work be spade work, it is of the greatest importance to the merchant, for on the analytical results obtained by these chemical officers tens of thousands of pounds depend. All work by constant repetition gets monotonous and routine, yet both judgment and care are constantly demanded in its performance. Are these qualities to be expected from youth and inexperience? These youngsters will be under no constant supervision, as is the case of their employment in the Government Laboratory, but they will be "on their own," unchecked, unsupervised, or subject at most to an occasional inspection. Is this system fair to the merchant? Is it fair to the youngster himself? An old head cannot be placed on young shoulders, but on their zeal for economy the proposers of this new policy of cheapness appeared to have assumed that other things are equal, and that the work done by the older and experienced man will be done quite as well and as carefully by the young and inexperienced man. Merchants whose interests are profoundly affected by this policy have not been consulted, and their evidence was not called for when the Committee sat. The publication of this Report was moved for in the House of Commons by Mr. J. Gretton, M.P., managing director of Bass & Co., with this object in view, but he was refused on the ground that nothing was to be gained by publication. The work and word of an experienced and trained man count with a merchant, especially when his own chemist disagrees with the analytical results of the chemical officer. What reliance can a merchant place upon the work of an inexperienced youngster under similar circumstances? The more this question of cheap labour is looked into, the greater becomes the itch to see this masterly secret report. It was a branch of the Hobhouse report.

Turning to the second point—viz., the inadvisability of delay—no better instance can be given than the recent lime-juice regulation quoted and commented upon in THE CHEMIST AND DRUGGIST, June 8. A merchant, say, in Glasgow is compelled to have his sample sent all the way to London for examination at the Government Laboratory, when a trained and experienced chemical officer is located in Glasgow! Two days are lost by transmission to and from London. Why? In ten minutes from the time of drawing it that sample could be under examination at the local laboratory, and the trader could get the result at least two days earlier than is possible under the new

conditions. Merchants' time and convenience are not considered. When analytical work is taken away from the local Revenue chemist and transferred to London one can readily see that in process of time the local man's post gets to be regarded as unimportant and fit only for a cheap junior to fill. It is almost unnecessary to emphasise the great value to merchants of saving time. Here is a system still in force, wisely inaugurated by Revenue boards in the past, whereby the time of merchants is saved and money gained—viz., the establishment of local Revenue laboratories—and across this system steps the Government Laboratory and nullifies the benefits by the adoption of another system whereby a laboratory 500 miles away does work properly falling to its local branch. Never have merchants' interests been so ruthlessly ignored as has been the case of recent years with the Government Laboratory in its treatment of its branch local laboratories and their occupants. Devolution and despatch are the up-to-date methods of Departments like the War Office and the Post Office. Why is the Government Laboratory doing the opposite? The Treasury can hardly be aware of the course of events of recent years so far as merchants' interests are concerned, otherwise they would never have sanctioned the present policy of the Government Laboratory in its treatment of the chemical officer and the merchant. Little by little the evil has grown almost unnoticed, and certainly unchecked, until it has culminated to the detriment of those concerned. If there be not a reversal of this policy of cheap labour and delay there is likely to be trouble for the Government Laboratory sooner or later. Trade and commerce cannot give way to the unbusinesslike and ill-advised methods adopted by a Government Department. In conclusion, may I point out that the Chancellor of the Exchequer himself is a loser over this abandonment of the old policy? Revenue officials in the past, like Adam Young, have been all the more valuable as advisers to Chancellors of the Exchequer on account of their additional training as chemists. The initiation of new fiscal legislation demands the services of the Revenue chemist, and to sever this dual qualification is to lower the standard of efficiency. To a Chancellor of the Exchequer a Revenue chemist is as necessary as a manufacturing chemist is to the merchant.

Yours truly,
G.R. OFFICER. (203/41.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Gogotha Vitriol.

I have been asked by a farmer for a red powder called "Gogotha Vitriol," used with turpentine for worms in sheep and lambs. Can you tell me what it is?—G. B. (220/65).

[This is colcotha, or colcotha vitrioli, which is ordinary red oxide of iron. See "The Chemist's Dictionary of Synonyms and Trade Names," p. 69.]

Insurance of Apprentices.

Mr. H. C. Rowe (Arklow) writes: "In your reply to 'M.P.S.I.' in issue of June 29 I note you advise that employers of apprentices who provide board and lodging but do not pay money wages to these apprentices are to insure them under the National Insurance Act and pay both shares of the contributions. I enclose copy of official leaflet, which I cannot understand in that sense, and also respectfully submit that Schedule 1 (a) declares indoor apprentices, unpaid, to be outside the Act." [The statement referred to is the third in the Irish circular under "Employed persons who are not required to be insured," and is "Children of an employer receiving no wages, and persons who are maintained by their employer without wages." A similar entry occurs in the English leaflet. The statement is also made that "Persons employed as apprentices without wages" are not required to be insured. We stated in reply to "M.P.S.I." that where no money payments are received by the apprentice, the employer is liable by Schedule 3 (7) to pay the contributions payable both by himself and the contributor, and is not entitled to recover any part thereof from the contributor. The English Commissioners informed a C. & D. correspondent that an apprentice receiving nothing, in maintenance or money, has not to be insured.]

The leaflets appear to go further, but this depends upon whether "wages" in the leaflets means "money payment," as in Schedule 1 (a), or "remuneration." Time will show whether the leaflets are right or not, and in the face of them it seems advisable that apprentices who receive no wages should insure; but we ought to point out that the leaflets are not quite correct in saying "that persons who are maintained by their employers without wages" need not insure. The exception in Schedule 1 (f) is "Employment in respect of which no wages or other money payment is made where the employer is the occupier of an agricultural holding and the employed person is employed thereon, or where the person employed is the child of, or is maintained by the employer." Closer consideration of the statement, and the provision will show where they differ. "Maintained by" we understand to mean what a father does for his child—lodgings, food, clothing, and all else requisite for the maintenance of a boy in his father's station in life. Few chemists' apprentices are so maintained by their employers.—EDITOR, C. & D.]

Legal Queries.

Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.

A. L. S. (229/64) asks if grocers and non-exempted persons can sell known, admitted, and approved remedies if they hold a patent-medicine licence. [Yes, if they stamp the remedies according to value, but under no other conditions.]

Savoir (160/12).—We cannot undertake to advise you as to which is the best approved friendly society in London. You should get prospectuses of several of the societies and judge for yourself which will suit your purpose according to your personal requirements.

Durham (227/5) is in business on his own account, and asks if it will be necessary for him to be compulsorily insured under the National Insurance Act, as his income does not exceed 160*l.* [No, whatever his income may be; it is only persons who are in employment in the United Kingdom under any contract of service or apprenticeship and between the ages of sixteen and twenty who have to be insured.]

Adam (226/42).—In regard to registered chemists carrying on branches of their business as drug-stores, we repeat what is stated in the C. & D. Diary, p. 457, under "Branch Shops," that we are not aware of any case in which a registered chemist has been proceeded against for carrying on a branch as drug-stores with an unqualified manager and not using the title or keeping poisons in the branch.

M.P.S. (232/68) has his house attended to and cooking done by a woman, who, as a return, obtains housing accommodation for herself and husband, and "M.P.S." wants to know if he has to pay for her under the National Insurance Act. [The woman is employed within the meaning of the Act, and where no money payments are received by the servant on account of the service from the employer or any other person the employer pays the whole contribution himself—in this case 6*d.* per week.]

C. L. (71/26) has an apprentice to whom he pays 6*s.* per week, and next year 7*s.* The apprentice's age is seventeen, and he lives with his parents. We are asked what "C. L." pays, and when. ["C. L." as the employer pays 3*d.*, and unless the apprentice obtains exemption he pays 4*d.* per week. "C. L." stamps the apprentice's card on the first pay-day after July 15 with a 7*d.* stamp for each week of employment from that date, deducting 4*d.* from the apprentice's wages. See C. & D., June 15, index folio 868, for a useful table of weekly contributions.]

Irish Assistant (226/68).—There is no condition in the Shops Act, 1912, deferring the application of the "conditions of employment" section to shop-assistants until they have been six months with an employer. They are entitled to the half-holiday from the first week of their employment. What our correspondent appears to have in mind is the provision in the fifth schedule to the Act respecting shops in Ireland in which intoxicating liquors are sold. The seventh paragraph of this schedule provides that after twenty-six consecutive weeks' employment in such shops the assistant shall be allowed an annual holiday of at least seven consecutive days, and after fifty-two weeks' employment an annual holiday of fourteen consecutive days. There is also provision in such cases for disallowing the weekly half-holiday under certain conditions.

A. P. N. (71/33) is in a town where the majority of the chemists have applied for a closing order for Wednesday

afternoon at one o'clock, and he wants to know if he can supply medicines and medical and surgical appliances, especially to ships which are leaving port, after the closing hour. [Certainly; such an early-closing order does not abrogate the special exemption contained in the second schedule of the Act, nor the provisions of Sub-sections 7 and 8 of Section 4. It appears, however, to be desirable (probably necessary) to close the shop, and if intimation is made that attendance is provided for the sale of medicines and medical and surgical appliances, the notice which we supply, according to the Home Office regulations, has to be exhibited inside and outside the shop. This notice is the one required for the weekly half-holiday under Section 10 (1).]

Fore (226/74) asks if it is a fact that chemists who are willing to take on the dispensing under the National Insurance Act are required to fill up a form; and, if so, where such forms can be obtained. [Matters have not advanced to this extent in England and Wales, but the Secretary of the Pharmaceutical Standing Committee (Scotland), 36 York Place, Edinburgh, during the past month invited persons, firms, and corporate bodies carrying on business as chemists and druggists in Scotland to inform him whether or not they desire to be included in the lists or panels for Scotland. Any persons or bodies corporate in England who desire to ensure that their names are included in their local panels may address the Secretary of the Pharmaceutical Standing Committee (England), 17 Bloomsbury Square, London, W.C., and those in Wales may address the Secretary of the Pharmaceutical Standing Committee (Wales), The North Wales Pharmacy, Wrexham.]

Ko-Ko (226/17).—(1) The cost in fees and stamp-duties of registering a private company with a capital of 200*l.* is under 5*l.* It is not obligatory to employ an agent or solicitor for the registration, but a person unaccustomed to the work should entrust the registration to an agent. There are several connected with the drug-trade, and any of them will undertake the work for a comparatively small fee. (2) In order that a limited company may obtain the full exemption as to known, admitted, and approved remedies it is necessary that they should comply with the provisions of Section 3 (4, *a* and *b*) of the Poisons and Pharmacy Act, 1908. That is to say, a registered chemist must be superintendent of the company, and every premises in which the business of the company is carried on must be managed by a registered chemist. The exemption does not extend to limited companies who carry on business as drug-stores without registered chemists in the above capacities.

Miscellaneous Inquiries.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6*d.*

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

R. G. H. (220/1).—DEAFNESS FOLLOWING SCARLET FEVER.—This is usually caused by suppuration in the middle ear, which destroys or binds together the bones whose vibration produces the sense of sound. The instrument which you name is an aid to hearing, and its utility can be settled in the case mentioned by trying it. Hunter Tod's "Diseases of the Ear" (London: Henry Frowde, Oxford Medical Manuals, 5*s.* net) you will find useful.

Mortar (217/39).—TAPEWORM-CURE FOR LAMBS.—The recipe for the compound arsenic tablets used as a cure for tape-worms in lambs was published in the "Farmer and Stockbreeder" in 1910. There are two versions of the recipe, but the following is, we believe, the one generally accepted:

Arsenious acid	...	...	gr. j.
Ground tobacco	...	...	gr. iiij.
Sulphur	...	...	gr. v.
Iron carbonate	...	...	gr. v.

Make into a tablet, and coat with the object of delaying the solubility of the tablet.

The tablets are not given to lambs younger than eight weeks, and must be administered whole. The dose is one tablet, once a fortnight, after a night's fast. It is further stated that the dose of arsenic for a lamb is from $\frac{1}{4}$ to $\frac{1}{2}$ grain, and 2 grains for a sheep. The tablets are supposed to combine the properties of a worm killer and ex-

peller with a tonic, and there is plenty of testimony to their efficacy.

J. W. (71/13).—CLEANING TRUSSES.—Shop-worn chamois and basil trusses are best cleaned by rubbing with petroleum spirit, and when dry dusting with lycopodium, the excess of powder being afterwards brushed into the rough surface.

Lincoln (226/73).—CHEESE-STARTERS.—These preparations, which are employed to hasten the curdling of milk in cheese manufacture, are special cultures of various lactic-acid bacteria. The exact process of preparing these is not known to us, but is doubtless on the lines of the preparation of lactic acid by the fermentation of cheese.

Assistant (227/55).—Chemists usually reckon board and lodging for an indoor assistant as equivalent to about 40*l.* a year. Thus an outdoor assistant earning 30*s.* a week would get about 45*l.* a year indoors. During holidays indoor assistants receive their cash salary only, and no allowance for board and lodging.

Studens (219/8).—BOOKS FOR APOTHECARIES' ASSISTANTS' EXAMINATION.—We should think the following would be the best to employ in studying for the Assistants' examination of the Society of Apothecaries: Ince's "Elementary Dispensing Practice" (*C. & D. Office*, 3*s.* 6*d.*); Squire's "Companion to the Pharmacopoeia" (Churchill, 12*s.* 6*d.*); Attfield's "Chemistry" (Gurney & Jackson, 15*s.*). In reading "Squire" special attention should be devoted to Pharmacopœia drugs.

Constant Reader (224/62) says he has kept POULTRY for some time, but lately they have developed the habit of pulling the feathers out of the middle of the back and around the base of the tail. The birds are in good health apart from this, and lay very well. What is the cause of the trouble? [Feather-eating usually happens when the fowls are penned up, and is due principally to want of occupation and amusement, therefore it is desirable to keep them employed. A single hen may contaminate a whole pen. The culprit should be detected, if possible, and placed by herself. Lice are sometimes the cause, so that a careful inspection must be made, and, if found, treat with a cure for pediculi. Give plenty of grit, sand, ashes, green food, etc. Flowers of sulphur in soft food and dusted over the parts also acts as a check to the habit. A cure may also be effected by paring down the horny edges of the beak, so that the feather will slip between when the bird attempts to pull one out. The following are useful applications:

(1)	Ol. picis	...	...	...	...	3 <i>j.</i>
	Paraffin.	...	...	...	...	5 <i>j.</i>
	Ol. olivæ	...	...	...	...	3 <i>ijij.</i> —M.
(2)	Potassii carbonat.	...	...	...	...	3 <i>j.</i>
	Ol. citronellæ	...	...	...	...	3 <i>ss.</i>
	Ol. olivæ	...	...	...	...	3 <i>ij.</i>
	Aquaæ	...	...	...	...	5 <i>ij.</i> —M.

Apply either of these morning and evening.]

Aspirin (217/15).—BEEF-AND-MALT WINE:

Extract of meat	...	...	...	5 <i>iv.</i>
Extract of malt	...	...	...	5 <i>viiij.</i>
Port-wine	...	...	...	Cong. j.

Rub down the extracts with a pint of the wine and add to the rest. Shake, set aside for fourteen days, decant, and filter the sediment.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1862.

Miscellaneous Jottings.

The failure of the opium crop in India has had the effect of considerably increasing the market value of the drug.

The Cambridge meeting of the British Association for the Advancement of Science has been postponed until October.

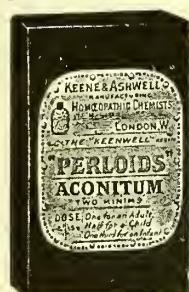
Mr. Wicke calls the attention of toxicologists to the fact that some filtering papers contain lead. A piece four inches square yielded him a distinct precipitate of sulphide of lead.

Malt, as a medicinal agent, has been used in Germany in bronchitis and dyspeptic affections. It is also used in the form of a powder, taken into the stomach, or added to warm baths.

The cultivation of the cinchona in Java has been entrusted to the superintendence of Dr. D. F. Junghuhn, and it is the intention of Government to leave it under his care until the experiment is quite successful. The present annual outlay of the establishment amounts to 3,256*l.*, and it is anticipated that a most satisfactory return will be made.

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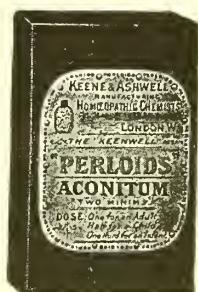


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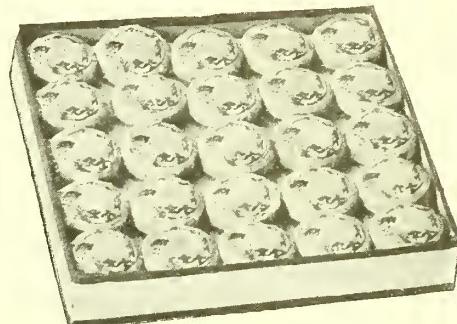
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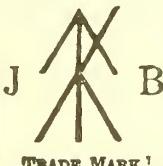
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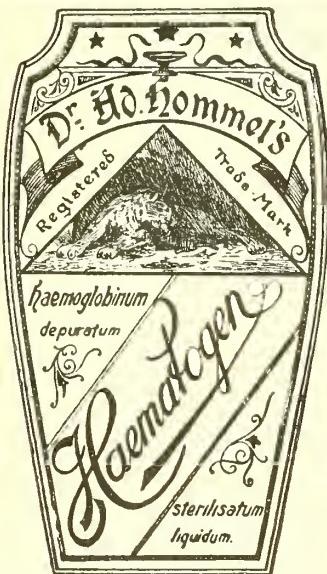
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Benz. B.P., 7 lbs. @ 1*1/2* lb.; 1 lb. @ 2*1/2* lb.

Boric Pulv., 3 cwt. @ 29/- cwt.; 1 cwt. @ 29/6 cwt.; levigd. 3/- cwt. or 1*1/2* lb. extra.

Carbol. Xts., 39/40, 56 lbs. @ 9*1/2*d. lb.; 10 lb. Tins @ 8*1/2* each; 36 1-lb. Bots. @ 1*1/2*d. lb.; Single Bots. @ 1*1/2* lb.

Detached Cryst. 10 lb. Tins @ 10/- each; 1 lb. @ 1*1/2* lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1*1/2* gall.; 1 gall. tins @ 1*1/2* each.

Salicyl. pulv., 7 lbs. @ 1*1/2* lb.; phys. pure, 1 lb. @ 3*1/2* lb.

Tart. cryst. or pulv., B.P., 1885, 1 cwt. @ 1*1/2* lb.; 7 lbs. @ 1*1/2* lb.; parv. 1*1/2* lb. extra.

Ammon. Brom., B.P., 1 cwt. @ 2*1/2* lb.; 7 lbs. @ 2*1/2* lb.

Ammon. Carb. lump, 3 cwt. @ 4*1/2* lb.; 28 lbs. @ 5*1/2*d. lb.; 7 lbs. @ 5*1/2*d. lb.; powder, 1*1/2* lb. extra.

Bismuth, P.B. Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9*1/2* lb.; 1 lb. @ 9*3/4* lb., subunit, 1*1/2* lb. less.

Cocaine Hydrochlor, B.P., 25 ozs. @ 6*1/2* oz.; 4 ozs. @ 6*1/2* oz.; 1 oz. @ 7*1/2* oz.

Codeina, 1 oz. @ 17/- oz.; Phospb., 1 oz. @ 16*1/2* oz.; Hydrochlor or Sulph., 1 oz. @ 16*1/2* oz.

Cream Tartar, 98% powder, 1 cwt. @ 8*1/2*/6 cwt.; 7 lbs. @ 1*1/2* lb.

Dec Aloes Co. Conc. 1-2, 6 lbs. @ 2*9/10* lb. Sinecroco, 6 lbs. @ 1*2/10* lb.

*Dec Cinchona (Rubra) Conc. 1-7, 6 lbs. @ 1*10/11* lb.

*Dec Senega Conc., 6 lbs. @ 2*3/10* lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 1*1/2* lb.; 7 lbs. @ 1*7/8* lb.

Ferri et Quinina Cit., P.B., 500 ozs. @ 3*1/2*d. oz.; 100 ozs. @ 4*1/2* oz.; 25 ozs. @ 4*1/2* oz.

Glycerin, Opt., D.D., 1*260* P.B., 1 cwt. @ 94/- cwt.; 56 lbs. @ 9*5/8* cwt.; 12 lbs. @ 1*1/2* lb.

Chthioph Ammon., 3 lbs. @ 10*9/10* lb.; 1 lb. @ 1*1/2* lb.

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" Buchet Conc., 1 to 7, 6 lbs. @ 1*8* lb.

" Calumba Conc., 1 to 7, 6 lbs. @ 1*11* d. lb.

" Caryoph. Conc., 1 to 7, 6 lbs. @ 1*11* d. lb.

" Cascara Conc., 1 to 7, 6 lbs. @ 1*2* lb.

" Cinchona Acid, 1 to 7, 6 lbs. @ 1*7* lb.

" Gentiana Co., 1 to 7, 6 lbs. @ 1*1* lb.

" Quassia Conc., 1 to 7, 6 lbs. @ 9*1/2* lb.

" Rhei Conc., 1 to 7, 6 lbs. @ 1*5* lb.

" Rosa Acid. Conc., 1 to 7, 6 lbs. @ 1*8* lb.

" Senega Conc., 1 to 7, 6 lbs. @ 2*2* lb.

" Valerian Conc., 1 to 7, 6 lbs. @ 1*3* lb.

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Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9*1/2* lb.

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*Lin. Bellad. Meth., 5 lbs. @ 1*5* lb.; 1 lb. @ Lin. Camph. B.P., 40 lbs. @ 1*10* lb.; 9 lbs. @ 1*11* lb.

Lin. Sapo Meth., 9 lbs. @ 7d. lb.

Lin. Tereb. Acet., B.P., 9 lbs. @ 1*1* lb.

Linseed oil, Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.

*Liq. Ammoni Acetatis Conc., 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10*1/2* d. lb.

Liq. Ammon. Aromat., 6 lbs. @ 9*1/2* d. lb.

" Antim Chlor. Pur., 8 lbs. @ 6*1/2*d. lb.

" Arsenicalis, B.P., 7 lbs. @ 4*1/2* d. lb.; 1 lb. @ 7d. lb.

" Arsenii Hydrochlor., P.B., 7 lbs. @ 4*1/2* d. lb.; Bismuth, P.B., 6 lbs. @ 1*11* d. lb.

" Copaiba Buba et Cubeb., 5 lbs. @ 2*6* lb.; 1 lb. @ 2*10* lb.

" Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.

" Ferri Dialysatus, 6 lbs. @ 7d. lb.

" Ferri Iod. p.s., 1-7, 1 lb. @ 6*9* lb. [4*1/2* lb. bond.]

" Ferri Perchlor. Fort., P.B., 7 lbs. @ 7d. lb.

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" Hamamelidis, B.P., 6 lbs. @ 1*1* lb. [1*1/2* lb. bond.]

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" Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 3/- lb.

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" Plumbi Subacet., P.B., 7 lbs. @ 2*4* d. lb.

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" Santali Co., 1 lb. @ 3/- lb.

" Sennæ Dulc. 6 lbs. @ 1*4* lb.

" Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.

" Strychninæ, Hyd. B.P., 6 lbs. @ 1*6* lb.

" Tolut pro Syr. 1-7, 6 lbs. @ 1*3* lb.

" Trinitriol B.P., 1 lb. @ 6*1/2* lb.

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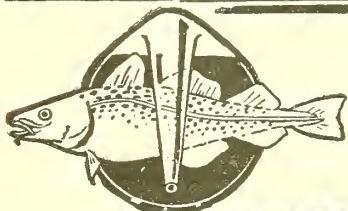


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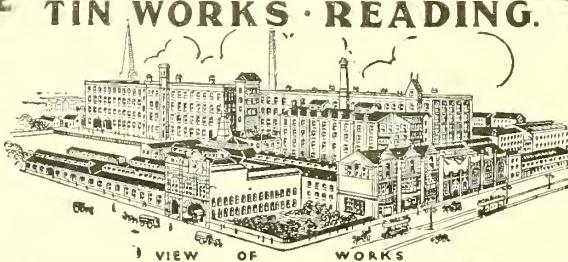
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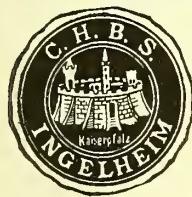
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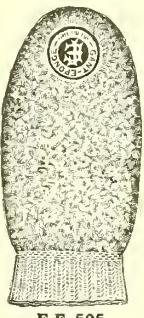
HEAD OFFICES & LABORATORIES
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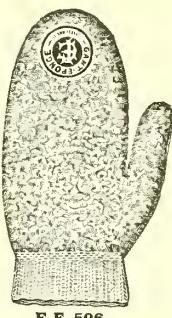
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It is the "**E.F.**" (Patented)



E.F. 505.



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The illustration cannot convey to you the dainty perfection of manufacture. Made in one piece, without seam of any kind, they are soft as a high-class Turkish Towel, but immeasurably stronger and are a real glove in the way they fit the hand.

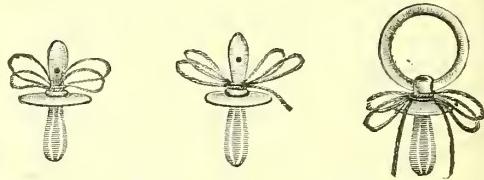
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All fitted with Clear Teat, Bone Shield and Fancy Cord.

OBSERVE THE RIBS—

They prevent the Teat collapsing.

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2d. No. 52 RT, Small Bone Ring	" "	12/-
2d. No. 48 RT, Bone Mount... ..	" "	14/-
3d. No. 53 RT, Perfect Bone Ring	" "	15 6
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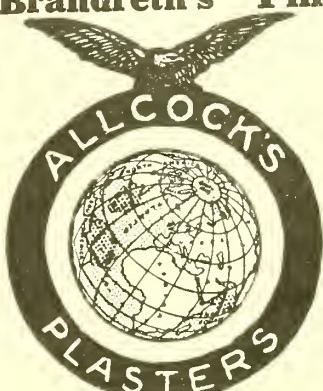
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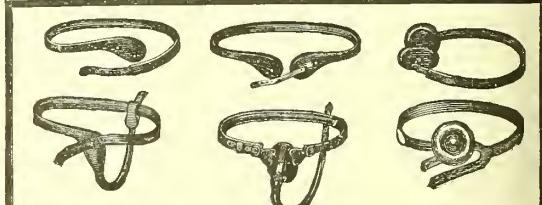
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ACTUAL MAKERS.
BOTTOM PRICES.

MADE ON THE PREMISES.
Specials Despatched in 24 hours.

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Bailey's Circular Trusses	2nd quality	23/- 37/-
" " Special "Marone," with Customer's Name in Gold	..	16/9 31/6
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MER-SYREN TABLETS
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POWDERS.

The natural and unfailing cure for
DIGESTION, DYSPEPSIA, BILIOUSNESS,
and all Stomach and Liver Complaints.

The remedy for which the world has been seeking
for over 1900 years.

Large Advertising Campaign now on.
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see to it that any demand can be met.

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are sold at 1/-, and four times size 2/6.

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GREAT GARDEN INSECTICIDE
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LOOFAHS !!!

Send me P.O. or Cheque for 15/- and I will mail you, free in U.K., 1 gross choice selected Loofahs assorted as follows:

6 DOZEN	::	::	8 in. to 9 in.
3 "	:	:	10 in. " 12 in.
3 "	:	:	12 in. " 14 in.

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FLAT, OVAL OR HEXAGONAL.

'n Dark Blue, Light Blue, Actinic
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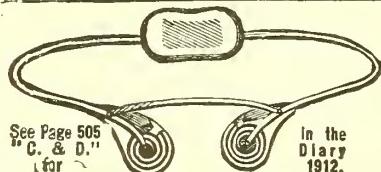
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Guaranteed for 2 years.

REDUCTION IN PRICES.



FIG. 1194.

The "EMPIRE" Red India Rubber Air Cushion.

Dia.	12	13	14	15	16	17	18	19	20 ins.
s. d.	5 0	5 6	6 0	6 6	7 0	7 9	8 9	10 0	11 0
Each	5	6	6	6	7	9	8	10	11

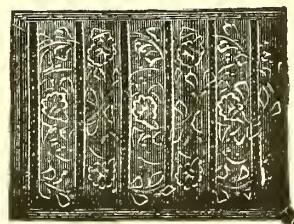


FIG. 1354.

SPECIAL LINE.—Sateen Covered Reeded Air Cushion.

Sizes	14×10	15×12	18×14
s. d.	2 9	3 3	4 0
Each	2	3	4

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

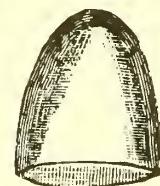
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Full particulars on application

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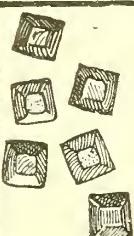
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is a delicate dry wine, containing in a very easily assimilated form appetising herbs, fruit extracts, and the natural organic phosphates of lecithin-ovo. Junora enriches the blood, invigorates the nerves and is invaluable to all brain-workers.

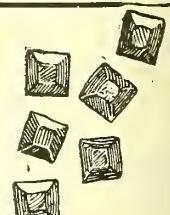
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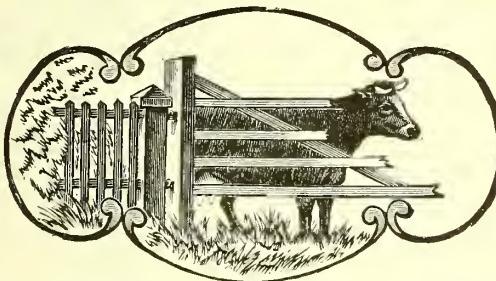
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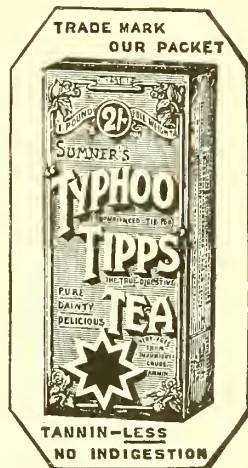
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3 & 4 6 & 8 12 16 ounce. } Round edges, plain or
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WHITE PHIALS—GOOD QUALITY.

3/6 4/- 4/6 5/6 per gross Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank.

1912 Mixing, Grinding & Sifting Machines.

60 SIZES & PATTERNS.
Hand or Power.

Made by Chemists for the Chemical Trade.

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36 Victoria Buildings,
MANCHESTER.

A PROFITABLE PROPOSITION
FOR THE PHARMACIST !!

MALT-GLIDINE

(With Lecithin)

A POWERFUL NERVE FOOD-TONIC.

MALT-GLIDINE OFFERS THE
FOLLOWING ADVANTAGES :

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SPECIAL
WINDOW-DISPLAY
TERMS.

The formula of Malt-Glidine is unique. It contains 6% of Lecithin in addition to 5% Phosphoric and other Reconstituent Salts, 18% Natural Fats, 37% Unimpaired Vegetable Protein, and 31% Malted Carbohydrates.

1/3 & 2/9 PER TIN. 10/- & 22/6 PER DOZ.
MINIMUM PRICE ... 1/2 & 2/6 PER TIN.

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E.C.

HORLICK'S MALTLED MILK

(In Powder Form).

No Cooking. Prepared instantly by stirring
vigorously in water, hot or cold.

THE FOOD that BRINGS RESULTS

The first thought of experienced dietitians when selecting a palatable, nourishing, easily assimilated food.

¶ The wholesome, invigorating principles of pure milk and choice malted grain, so prepared as to be properly assimilated in the feeblest conditions.

¶ Used more extensively every year in the feeding of infants and as a supplementary nutrient for growing children. Also with increasing confidence by adults as a table beverage in the home—superior to tea or coffee at meals—and an efficient corrective of insomnia taken hot before retiring.

Endorsed by the Medical Profession.
Recommended and sold by all Chemists, in
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Horlick's Malted Milk Co.
SLOUGH, BUCKS.

LECITHIN "FROM EGGS." LECITH-ALBUMIN IN POWDER FORM

For the Manufacture of Tablets,
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Food Preparations containing Lecithin
Powder, Pills, Tablets, Dragees, Chocolate,

CHEMICAL WORKS "VICTORIA,"
BERLIN, S.W., Holmannstrasse 35.

Sole Agent for U.K.: HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.

VEROX FLUID BEEF. ALL BEEF & ALL BRITISH.

30% Profit :: Order now to
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ESTABLISHED 1865.

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—Wholesale and Export Drug
Merchants, Manufacturing Chemists,

HULL,

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

Losall's Asthma Remedy. } PROTECTED
Very effective Remedy for Asthma, Bronchitis, &c. } RETAIL PRICE. DOZ. net.
1/- 7/6

Losall's Salt. } 6d. 3/6
The popular remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised. } 1/- 7/-
1/6 10/6

Losall's Compound Sulphur Soap. } 1/- 8/-
A valuable emollient medicated Skin Soap, especially for use in Eczema cases.

Prepared Barley ("CROWN" BRAND). } 4/-
Usual 1/- size, lever lid tins, for children and invalids.

Malted Food. } 4/6
Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label with name and address on gross orders, if desired.

London Agents: F. NEWBERY & SONS, Ltd.

Dr. J. Collis Browne's CHLORODYNE - - - AND THE - - - New Poisons & Pharmacy Bill

IN reply to enquiries, we beg to state that Chemists should not request purchasers to sign a Poison Book, seeing that this medicine does not come within Part I of the Poisons Schedule.

J. T. DAVENPORT, LTD.
PROPRIETORS
117 Union Street, London, S.E.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JULY 13, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers) and to ensure prompt insertion.
REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED the MONEY is TELEGRAPHED

At the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus London."

It pays to pay for advertising
in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, W. (Distant Suburb).—General Retail, Prescribing, and Optical, situate in a middle-class locality; established any years; returns last year £1,240; profits good, fully up to average; handsome, well-appointed shop and good stock; vendor having another business will accept reasonable terms; prompt sale being necessary.

2.—WEST OF LONDON (within easy distance of town).—Established Business, capable of extension, situate in good position; shop offers a splendid nucleus; the returns at present are £1,000; price about £650.

3.—OXFORD STREET (near).—Cash Retail trade; returns between £10 and £12 weekly; profits above the average of Retail trade; to effect a speedy transfer the sum of £100 will be accepted.

4.—LONDON, S.W.—Branch Business; returns under manager per week; scope for considerable extension; comfortable residence; rent moderate; price £175, or near offer entertained.

5.—LONDON, N. (Residential Locality).—Middle-class Retail and dispensing; returns, present rate, £500; single-fronted shop, well fitted and stocked; all open to inspection; excellent house; rent £100 (sub-let £36); no immediate opposition; price to be arranged.

6.—MIDDLESEX (Suburban).—Family Retail Business; returns between £600 and £700; gross profit 50 per cent.; convenient residence; price £550.

7.—SUSSEX.—General Retail, Prescribing, and Dispensing Business; returns average about £400 per annum, and the net profit £100; price £300, estimated value of stock and fixtures.

8.—SURREY (Suburban).—General Retail, including an excellent Veterinary connection; returns about £1,200, at fair prices; vendor being desirous of going abroad will accept £100 and valuation of stock and fixtures.

9.—YORKS (Market Town).—General Retail and Family trade; held by vendor 18 years; returns increase yearly, present rate about £900; rent £45, which includes a residence; terms, valuation of stock and fixtures or lump sum of £550.

10.—HUDDERSFIELD (near).—General Retail, including Wines, Spirits, and Tobacco; returns, present rate, about £1,000, increasing; rent £56 per annum (sub-let £13); price £500 or near offer.

11.—FASHIONABLE SEASIDE TOWN (South Coast).—General Retail trade; price £800; £500 on entry and the balance by instalments; returns average between £950 and £1,000, which produce a net income of £275.

12.—HANTS.—Good middle-class trade, Retail, Dispensing, and Photographic; returns show a steady increase, and are now £2,100; gross profit £784; further details on application.

13.—EASTERN COUNTY (Market Town).—Old-established Business, situate in the main street; returns under management £600 yearly; there is also an appointment attached; attractive shop and large house; held on lease; terms, valuation of stock and fixtures.

14.—LANCS (Death Vacancy).—Good-class Dispensing and Retail trade; held by the late vendor over 42 years; returns average about £600, which produce profits above the average of Retail trade; pushing man could largely increase; price £400.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

- 1.—LONDON, W.—Returns £600; net profit £200; price £400.
- 2.—BLACKBURN.—Returns £750; net profit £225; valuation £425.
- 3.—MIDLAND CITY.—Returns £550 under management; rent £40; price £350.
- 4.—MALVERN (near).—Returns £500; net profit £150; price £400.
- 5.—ESSEX (few miles out).—Four Businesses for Disposal; total returns about £2,000 annually; these are to be disposed of promptly, and vendor will accept £850 for the four; further particulars upon application.
- 6.—GLAMORGAN.—Returns nearly £1,000; net profit £250; price £750; very old-established; splendid house; low rental; solely in our hands for disposal.
- 7.—HARROGATE.—Returns £760; net profit £250; price £600.
- 8.—BERKSHIRE.—Returns £550; net profit £204; price £285.
- 9.—LONDON, S.E.—Returns £950; net profit £260; price £650.
- 10.—LIVERPOOL (Centre).—Returns £700; splendid profits; price £400.
- 11.—NORFOLK.—Nice-class Country Business; returns over £700; net profit £250; unopposed; low rental; price £525.
- 12.—HUDDERSFIELD (near).—Returns £1,000; net profit £300; price £300; very nice-class Retail; moderate rental; good house.
- 13.—LEEDS.—Returns £860; net profit £270; price £650.
- 14.—YORKSHIRE.—Light Retail and Dispensing; returns nearly £1,600, at fair profits; rent £90; offered at valuation of stock and fixtures, £750.
- 15.—LONDON, W.—A real bargain for £75; returns £550; must be sold quickly; Light Retail Business.

VALUATIONS.

PARSON C. BAKER

PHARMACEUTICAL CHEMIST,

LICENSED VALUER,

174 VICTORIA STREET, LONDON, S.W.

Telephone: No. 27 Victoria.

IN central position popular, quiet South Coast town; old-established Dispensing and Retail trade, returning £1,200; well fitted, fully stocked shop; large, convenient house, very nice garden; rent £80; 9 years' lease; vendor retiring from drug trade; valuation terms, or lump sum as may be arranged.

PLEASANT, healthy town, 20 miles out; good central Pharmacy, returning from £1,200 to £1,500 under management, and showing good profits, at less than cost of stock and fixtures because of managerial difficulties; very desirable and profitable investment.

Valuations, town or country, on moderate terms.

Businesses of all kinds and sizes for Disposal.

Register of buyers requiring good Businesses in town or country from £500 to £5,000.

No charge to purchasers.

No charge for advertisement except by special agreement.

TOM TOM

Telegraphic Address:

THOS. TOMLINSON & SON.

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to purchasers.)

- 1.—SOUTH COAST.—Good-class Light Retail and Dispensing Business; returns over £2,100, increasing; books well kept; corner shop, well fitted and stocked; price £1,150, or valuation terms arranged.
- 2.—MIDLANDS (Death Vacancy).—Old-established Mixed Retail and Wholesale Business; returns over £3,000; splendid position; large premises; same hands many years; price £2,000, simply valuation.
- 3.—KENT (Market Town).—Old-established good Family Retail and Dispensing Business; returns £900, increasing; gross profits fully half; low rent; long lease; illness necessitates selling; price £700.
- 4.—WEST MIDDLESEX (Death Vacancy).—Good-class Business; unopposed; healthy locality; returns £750, was doing £900; net profit about £300; attractive Pharmacy; good house; price £675.
- 5.—SOUTH MIDLANDS.—Unopposed Village Business; rapidly growing; returns £11 to £12 a week; net profit a third; low rent; corner shop; stock worth £300 to £350; price £360.
- 6.—SURREY.—Good-class Retail and Dispensing Business, in pleasant locality, unopposed; returns £650; net profit £200; modern house; handsome shop and heavily stocked; price £550.
- 7.—EASTERN COUNTIES.—Sound unopposed Light Country Retail in small town; returns about £600; easily worked; nice house, garden, greenhouse, etc.; same hands many years; price £350, about valuation.
- 8.—SOUTH WALES.—Sound unopposed Light Retail in rapidly growing district; returns nearly £850; net profit about £250; owner retiring; price £450, or valuation.
- 9.—WEST END (Main Road).—Good-class Suburban Retail and Dispensing; returns about £1,000; net profit £320; large house and garden; well fitted and stocked; price £700; books well kept.
- 10.—LONDON (Surrey Suburb).—Good-class Retail and Dispensing in very good position; returns about £1,400; books properly kept; good house; well-fitted shop and good stock; price £900.
- 11.—OXFORD STREET (few doors off).—Cash Retail and Prescribing, returning £10 to £12 a week under indifferent manage-
- ment; one half profit; low rent; price £100, or near offer for quick sale.
- 12.—YORKS (Inland Health Resort).—First-class Retail and Dispensing; returns £1,500; good profits; splendid position; elegantly fitted and fully stocked; price £1,150; worth attention.
- 13.—NORTH-EAST COAST.—Neglected Cash Retail and Prescribing Business; returns £820; was doing £1,150 and can again; fine shop in splendid position; price valuation, about £500.
- 14.—HOME COUNTY.—Sound Light Retail Business, in best position; returns £1,400; net profit £314; books kept by accountant; good premises; own property; price valuation, about £750.
- 15.—WILTSHIRE.—Old-established Light Retail, with Wines and Spirits; in same hands many years; returns about £900; plenty of scope; well-stocked shop; good house; price £600.
- 16.—CHESHIRE.—Good-class Retail and Dispensing Business, in most pleasant locality; returns £650 to £700; net profit fully £200; scope for increase; attractive Pharmacy; price £500, or valuation.
- 17.—CO. DURHAM.—Unopposed Light Country Retail in pleasant town; returns £656; net profit £223; convenient house; low rent; price £300, or valuation.
- 18.—LANCS (Rising Seaside Town).—Good-class Business, returning nearly £700, increasing; very good position; handsome shop; modern house attached; price only £350; worth seeing.
- 19.—WORCESTERSHIRE.—In centre of busy town; returns £600 under manager; net profit £200; price, valuation, about £300.
- 20.—HERTFORDSHIRE.—Good Cash Business, in growing town; returns about £750; net profit £258; retiring; price £575.
- 21.—BANKS OF THAMES.—Unopposed Business; returns £800; net profit £235, increasing; price £500, or offer.
- 22.—LONDON, S.E.—Good-class Suburban Business; no side-lines; returns exceed £950; net profit £258; books properly kept; some shop; own property; price £650; recommended.
- 23.—NORTH LONDON.—Light Suburban Retail, in growing district; returns £15 weekly; low rent; modern-fitted shop; good stock; no near opposition; price £350; personally inspected.

BUSINESSES WANTED. We have a large number of cash buyers waiting to invest from £500 to £2,000, in sound concerns, and intending vendors are cordially invited to write for our terms. No sale, no charge.

BUSINESSES for DISPOSAL

3s. 6d. for 50 words or less: 6d. for every
10 words or less beyond, prepaid.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

BOURNEMOUTH Suburb.—Genuine high-class Business for immediate Sale, owing to ill-health of proprietor; returns about £1,450, yielding good profit; trams stop at door; double mahogany fitted shop, heavily stocked with up-to-date saleable linens; every inducement and personal introduction to immediate genuine purchaser. Apply, "J. C." (84/2), Office of this Paper.

CAIRO (Egypt).—English Pharmacy for Disposal owing to change of situation; unique position; good profits; numerous advantages; price £2,600. For particulars apply to Droguerie O. Giulietti, P.O.B. 931, Cairo, Egypt.

EAST COAST.—Old-established Mixed Country Business; double-fronted shop in main street of thriving Manufacturing town; takings about £600; stock, fixtures, and fittings at valuation; nice house and garden; rent £35; lease given; splendid opening for Dentistry and Optics; death of proprietor sole cause of selling. 80/38, Office of this Paper.

KENSINGTON (near).—In same hands 26 years; selling through failing health; genuine Ready-money Business; no Photographic or Optics; returns nearly £1,100; net profit £300; can be considerable increased in energetic hands; corner shop, well fitted and stocked; convenient house; price £800. Sole agents, Berdoe & Fish, Valuers, 35 Jewry Street, London, E.C.

KENT.—An exceptional opportunity for smart man with small capital; best position; old established; good Proprietaries; £40, rates £10; now doing £600 under management. Particulars from "Dentics," 36a Week Street, Maidstone.

KENT.—Old-established unopposed Country Business in charming and healthy district; returns under manager £600; net profit between £200 and £300; well-stocked shop; nice house and garden; very low rent; death sole reason for selling; price £450; excellent opportunity for a good Prescriber. Address "Lupuli" (86/1), Office of this Paper.

ANCASHIRE (Seaside Health Resort).—Small profitable Business doing nice Cash Retail; good prices; lock-up shop; low rent; splendid prospects; good living; price £240 for quick purchase; only need be seen; good reason for disposal. Apply, 82/10, Office of this Paper.

EAMINGTON.—Sound Light Retails for Sale in Leamington and districts; prices £250 to £500; also Harrogate and Cheltenham, prices about £1,000; buyers should write for particulars; charge whatever. Brett & Co., Licensed Chemists' Valuers and Agents, 73 Laurel Road, Leicester. Telephone 1934. Registered telegraphic address, "Brett, Leicester."

IVERPOOL.—Very profitable Light Retail Business, in commanding position; returns £700, and growing; can be rapidly increased by energetic young man; Pharmacy handsomely fitted modern style; good house; rent low; price for quick sale £300; £0 can remain and be paid by instalments. 82/30, Office of this Paper.

LONDON, N.W.—Good-class Chemist's; several Proprietary articles; has done £12; now doing £3; good house and garden; price for quick sale £45. Apply, "Proprietary" (84/9), Office of this Paper.

LONDON, S.W.—An old-established Retail and Dispensing Business for Sale; has changed hands once only in 40 years; house and premises on long lease at low rental; modern, double-fronted, well fitted shop, heavily stocked; average turnover £1,000; valuable Proprietaries; Patent Act under £20 monthly; Graphics, Optical, Dental could be added; strictest investigation allowed; banker's references required. "Health" (84/38), Office of this Paper.

LONDON.—Junction two important main thoroughfares; returns £1,000; good house; good garden; price £575, for which good value is offered; no agents or curiosity inquirers; every investigation allowed; worth attention. 83/22, Office of this Paper.

LONDON, N.—Neglected Branch in busy main-road market; well and modernly fitted shop and fair house, in good repair; returns between £700 and £800, nearly all drugs, and very profitable; rent £60; low rates; price, valuation, stock, £25 goodwill; fixtures may be rented and paid off by easy instalments covering 6 years. Address, "O. E." (71/2), Office of this Paper.

MANCHESTER.—Light Retails for Disposal, returning up to £1,000; also good-class Dispensing Businesses in Leeds and district for Sale at prices of £500 to £900. Apply to Brett & Co., Licensed Valuers, 73 Laurel Road, Leicester, for further particulars of the above Businesses.

MANCHESTER.—Small Branch in working-class neighbourhood; opportunity and all conveniences for doing big trade with mills and works; good window; electric light throughout; Dental work has and could be done; present manager unqualified; qualified man would do well; good reasons for selling; would sell fixtures (about £30); would remove stock (about £60) to meet convenience of a buyer. 83/20, Office of this Paper.

MIDLANDS (Health Resort and Hunting Centre, population 2,000).—Old-established Chemist and Stationer's Business for Sale; in same hands 45 years; returning £1,000; nearest opposition 6 miles, together with house and shop and two other dwelling-houses; rental value £63 per annum; price £1,800; no agents. "L." (83/32), Office of this Paper.

NEAR HOLBORN.—Drug and Fancy Trade Business for Disposal, with good Club connection, doing a very profitable turnover of £10 weekly; well stocked; expenses small; strictest investigation invited; price £220, or at valuation. W. Williams, 32 Bernard Street, Russell Square, W.C.

NEAR MANCHESTER.—Cash Drug Stores; low rent; main road; present tenant 15 years; suit qualified man or a company; price £275. 83/10, Office of this Paper.

NORTHANTS (South-West).—Prescribing, Agricultural, and Photographic Business in large village; returns £11 to £12 weekly and still increasing; net profit 33 $\frac{1}{3}$ per cent.; nearest opposition 10 miles; well-stocked corner shop opposite large hotel; good opening for Optics and Dentistry; rent (including house) £18; price, about £360. 82/16, Office of this Paper.

QUEENSLAND (small township); takings over £600 per annum last two years; development capable; chance for family man wishing to emigrate. Apply, 79/15, Office of this Paper.

S.W.—The owner of small genuine Prescribing Business, having accepted appointment, wishes to sell; prepared to accept less than value of fixtures, namely, £150; £65 cash, remainder by instalments; now under female management; rent £65; double-fronted shop; long lease; let off at 18s. weekly. Genuine buyers inquire, "H." (83/21), Office of this Paper.

SCOTLAND, Paisley.—Well-fitted and stocked Shop in main thoroughfare; good start for young man; good reasons for disposal; no reasonable offer refused. 80 Broomlands, Paisley.

SHEFFIELD.—Profitable Business for Disposal in well-populated district; returns £700; neglected; lock-up shop; rent £18; price £400, or valuation. Apply, H. H. Smith, c/o Hirst, Brooke & Hirst, Ltd., Leeds.

SOUTH WALES.—Branch Business, taking £450 and steadily increasing, though under incompetent, unqualified management; undoubtedly scope for great increase; price £175, the bulk of which could remain if desired; satisfactory reason for disposal, and every investigation courted. 80/2, Office of this Paper.

SOUTH YORKSHIRE.—Established nearly 40 years; centre of population of 100,000; valuation about £380 for quick sale owing to ill-health; exceptional opportunity for smart business man; Photo and Prescribing; returns nearly £1,000 per annum. Apply, 85/26, Office of this Paper.

SURREY.—£500 required for thorough sound Light Retail Business, returning £1,350 (present rate); neglected; can quickly do £30 to £35 weekly; well situated in good residential town, within easy reach of London; fine shop and house; only requires seeing; quick sale desired; honestly worth £800. Apply, "Special" (86/100), Office of this Paper.

WEST RIDING of Yorkshire.—Old-established Business for Disposal; good position; living accommodation if desired; several valuable Proprietaries; good reasons for selling; price £400, or less to immediate purchaser. Apply, 85/24, Office of this Paper.

YORKSHIRE.—Genuine Drug and Prescribing Business for Sale; corner position; old established; in present hands 14 years; average takings last 3 years £500; few Patents; rent £26 and rates; price £200, less than value stock; proofs given; good reason for sale. "Rhei," Lofthouse & Saltmer, Hull.

A BARGAIN; seaside resort, Isle of Man; must sell. Particulars, 84/20, Office of this Paper.

BRANCH Drug Store, Rotherham; lock-up shop; low rent; valuation. Particulars, Tidesley, Chemist.

CHEMIST'S and Aerated Water Business.—For Sale, as a going concern, the old-established Business lately carried on by Rowland Smith at No. 32 Market Square, Retford, and for over a century previously by the Appleby family; the Aerated Water Business is a profitable department, and there is an Agency for Gilbey's Wines and Spirits. For further particulars apply to Thos. Glenn, junr., Incorporated Accountant, 1 Union Street, Retford.

CHEMIST'S Business, well stocked, for Sale immediately; price £160, or nearest offer; situated in healthy country district near Sheffield; good living accommodation; low rent; house recently decorated; nearest opposition 3 miles; plenty of scope for smart man. Full particulars from H. Cox, Yew Lane, Ecclesfield, near Sheffield.

DEATH Vacancy.—Old-established Business in Hinckley (Leicestershire) for immediate Sale; splendid opportunity for up-to-date man; best site in town; if no offers, will be sold by auction on 18th inst.; stock, fixtures, and freehold property, as a whole; upset price £1,200; worth considerably more. Apply, Executors Pridmore, Castle Street, Hinckley, or Orchard & Joyce, Auctioneers, Hinckley.

EXCEPTIONAL opportunity for beginner; 8 years established; Light Retail and Prescribing Business, in busy manufacturing town, showing already a handsome profit on little capital, with plenty scope for increase; fittings and stock in excellent condition; cheap to effect quick sale; owner retiring from the trade. 83/28, Office of this Paper.

FOR immediate Disposal, good Chemist's and Druggist's Business; takings £600 to £700 yearly; rent £25, with good living accommodation; stock, good condition; every investigation allowed; a real bargain. Apply, Arthur Ernest Mason, Chartered Accountant, Dudley.

FOR immediate Disposal, old-established Chemist's and Druggist's Business, in manufacturing district near Brierley Hill, Staffs, carried on by Messrs. Cox's, Ltd.; over 7,000 population; no opposition; this business presents a splendid opportunity for a qualified man. Apply, Arthur Ernest Mason, Chartered Accountant, Dudley.

FOR Sale, Cash Retail Business in pleasant Cornish town; returns over £1,000 a year, and shows net profit, after paying rent £40, rates £9, and assistant, of about £200; easily worked business; short hours; practically unopposed; Gilbey's Agency; price £600. 82/13, Office of this Paper.

OLD-ESTABLISHED Business, with Medicated Wine Licence; principal thoroughfare to the Station; 4 Proprietary Preparations attached to the business, which may be separated; advertiser, after being in business nearly 50 years, wishes to dispose of same; personal interview necessary; a rare opportunity for two energetic young fellows. Ashford, Chemist, Northampton.

ONLY once in a lifetime an opportunity like this occurs.—To Chemists, qualified or unqualified, who have any knowledge of Dentistry, chance is offered of buying Chemist's and Dental Business; owner retiring; average takings £750; price, stock and fixtures at valuation; near Manchester; good living from Dental work alone. Further particulars from "Hurry Up" (77/38), Office of this Paper.

WITHIN easy distance of London.—Sound good-class old-established Business; returns £10 to £12 weekly; net profit £200; low rent; no opposition; nicely fitted Pharmacy and well stocked; no sidelines; excellent scope for Dentistry; price £400, or offer. "Genuine" (82/38), Office of this Paper.

TENDERS.

TO CHEMISTS, DRUGGISTS, GROCERS, AND OTHERS.
UNDER DEED OF ASSIGNMENT re R. T. BROWN, Centre House, Bridlington, Druggist.

MMR. JOHN HERMON will SELL by TENDER, on JULY 18, 1912, at 3.30 P.M., the Stock-in-Trade and Fixtures, amounting at cost to £186 8s. 3d.

Stock may be viewed on the premises on Tuesday, July 16, 1912, from 10 A.M. to 5 P.M.

Tenders opened at the Offices of Mr. John Hermon, Queen Street Chambers, Bridlington, Accountant and Auctioneer, on Thursday, July 18, 1912, at 3.30 P.M., from whom all particulars may be obtained, including forms of tender.

FOR SALE.

FOR Sale, Sole Rights Retis; cures Rheumatism, Gout, Nenritis, etc., registered; owner will dispose of rights at home and abroad for cash, or cash and royalty on sales. Particulars, W. Stillwell, Orchard Cottage, Fishbourne, Chichester.

FOR Sale, 6 Travellers' Trunks, with trays, nearly new, exceptionally good and strong; also a Model Hand Printing Press, good Assortment of Type, and other accessories, in good condition; also 5,000 high-class Coloured and Embossed Labels, large, for Bulk Perfume; all above at half cost price. 82/14, Office of this Paper.

MAHOGANY Drug-fixture, 14 ft., 110 Drawers, Cupboards below, Shelves above; also 12-ft. run Glass Knobs, 6-ft. Dispensing-screen, glass-fronted Mahogany Counters (2), 10 ft., 12 ft., 8 ft., 6 ft., some fitted 20 Drawers; Perfumery and Plate-glass Counter-cases; cheap. Took, 120 High Road, Tottenham (one minute Stamford Hill Terminus).

TO LET.

SHOPS to Let, at moderate rentals, splendid opening for Chemist at Edlington, near Doncaster; new district; rapid development expected. Apply full particulars to Mr. John Simmons, 10 High Street, Doncaster.

TO Let, Shop, with or without dwelling, splendid opening for a high-class Business in the best residential part of Southport; exceptional opportunity; rent moderate. Apply, 38 Park Road, Southport.

TO Let, immediate possession, Chemist's House and Shop, with fixtures, in High Street, Boston; very fine house; modern, up-to-date shop; has done £700 per year under qualified man; been occupied by Chemists for 70 years; no goodwill, no stock to take to unless desired; close to leading Physicians; no opposition; rent £35. Apply, Turner, Butcher, Boston.

PREMISES FOR SALE.

DOVER.

FOR Sale, with possession, the important, substantially built and capacious

MANUFACTURING PREMISES,
COVERING ABOUT TWO ACRES,
situate within 100 yards of the Docks and with Railway Siding, formerly known as the "OIL MILLS."

Storage capacity of about 13,000 tons in Buildings and about 8,000 tons in Roman Cement tanks,

Also very extensive caves, together forming a property probably unique on the

SOUTH-EAST COAST,
and specially suitable for an Oil or Petrol distributing centre, also for Engineering Works, Bonded Stores, General Warehouse or Manufactury.

Particulars of FLASHMAN & CO., Estate Agents, Dover.

AGENCIES.

CANADA.—A gentleman, covering the whole of Canada, with best possible connections in the Drug and Chemical trade is now in London and open for Representation of a first-class Sundries and Speciality house on part expenses and commission Address, "X. L." (76/18), Office of this Paper.

AN honest and straightforward resident London Apothecary or repute or Manufacturers' Agent wanted by an American Company, marketing Druggists' Counter Specialities, to represent the said Company in London. As this representation involves labour or responsibility until the line is established the nominal sum of five pounds yearly only will be paid at present. However liberal compensation will be allowed for any additional services labour performed. Bank or wholesale references required. 60/ Office of this Paper.

SITUATIONS OPEN.

8s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

OTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

NY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

SWER IN TERMS OF THE ADVERTISEMENT AND

MEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BRIEF BUT CLEAR—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

LESBURY.—Wanted, a good all-round qualified or unqualified Assistant, accustomed to a brisk Retail and Dispensing business; good Salesman, Window-dresser, and Dispenser; age 30. Apply, stating references, salary (outdoors), and enclose photo if possible, to F. J. Janes, Chemist, Aylesbury, Bucks.

GNOR.—Wanted at once, a smart Assistant, qualified or unqualified; well up in Dispensing, Counter, and Photo work. Full particulars and enclose photo, Arthur Miller, Chemist, 35 Commercial Road, Bournemouth.

RNELOMOUTH.—Experienced Assistant, Dispensing and Photographic, by July 22; indoors. Full particulars to Williams, apothecary, 35 Commercial Road, Bournemouth.

DORD ROYAL INFIRMARY.—Wanted, an Assistant Dispenser as Locum for 5 weeks commencing July 22; Minor cation; salary £2 10s. per week; travelling expenses will be d. Apply, giving references, to the Pharmacist.

DORD ROYAL INFIRMARY.—Applications are invited for the post of Pharmacist; applicants must be duly registered under the Pharmacy Act and have had Hospital experience; salary £140 per annum. Applications, stating age, experience, and qualifications, with copies of three recent testi- monies, should be lodged with the Secretary-Superintendent not later than noon on Tuesday, July 23.

CROYDON.—Qualified Assistant wanted; high-class Dispensing; knowledge of Photography; junior assistant kept. 85/31, Office of this Paper.

DOUGLAS, I.O.M.—Junior Assistant for about 8 weeks; outdoors; half-day weekly; Sundays, on morning or night; usual particulars. Apply, with photo and references, Greensill & Son, Douglas.

EASTBOURNE.—Assistant wanted; indoors; well up in Dispensing. Send usual particulars, C. H. Temple, 83 South Street, Eastbourne.

LKLEY.—Wanted good Junior (outdoors), with Photographic and Dispensing knowledge preferred; tall; good Counterman. Full particulars, age, experience, and salary required to Beveridge, Church Street Pharmacy, Ilkley, Yorks.

JESSOP HOSPITAL, SHEFFIELD.—A qualified Locum Tenens required for 3 weeks (August 16 to September 5 inclusive, or thereabouts); dinner and tea provided; hours 9 to 6, Saturday 9 to 1; nominal Sunday duty. Apply, with full particulars, to the Pharmacist.

LIVERPOOL.—Wanted for July 22, qualified Manager; married; live on premises; knowledge of Photography; good working-class business. State salary and forward particulars (photo also if possible), to J. Paley, Pharmacist, 172 Prescot Road, Liverpool.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash Retail. State age, experience, and salary required. Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, W.C.—Junior, qualified, with good Dispensing and Front Counter experience; outdoors. Apply, with full particulars, to J. Cofman, 6 Bloomsbury Street, W.C.

LONDON, S.W.—Required, Dispenser, age about 25; Minor qualifications; salary to commence 45s., increasing to 60s. after 6 months; short hours of work; no Sunday duty. Write, giving full particulars, to 401, Sell's Advertising Office, Fleet Street, London.

LONDON, S.W.—An experienced Dispensing Assistant wanted, about 24 years of age, to sleep upon the premises, but board out. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington, S.W.

LONDON, W.—Assistant, qualified, early in August (outdoors), about 25; Family and Dispensing business. Send usual particulars to Thompson, Pharmaceutical Chemist, 31 The Grove, Ealing, W.

LONDON, W.—Required, for night duty every week evening, 7.30 till 12.30, capable Assistant; must be a good Salesman and Stockkeeper; preference given to one with West End and some International experience. 81/38, Office of this Paper.

LONDON, N.W.—Manager wanted for high-class Retail and Dispensing business; good house; substantial salary and commission; only men with exceptional references and experience need apply. Apply, 236/64, Office of this Paper.

LONDON, W.—Qualified Assistant; outdoors. Apply personally; if by letter, state means of references, experience, age, and salary required, etc., Allen's, Ltd., 155 Praed Street, Paddington, W.

LONDON District.—Wanted, competent Assistant; married preferred; outdoors; unqualified; abstainer; age about 30; must be of good appearance and address, first-class Counterman; preference to one with Dental knowledge; salary £2 weekly. Apply, stating age, height, experience, 86/19, Office of this Paper.

MANCHESTER.—Qualified Chemist for Counter; accustomed to good-class trade; must be able to Dispense and be capable of taking charge; only men of strictly steady habits need apply. Give particulars of experience and state salary required, 83/9, Office of this Paper.

MANCHESTER.—Wanted, a smart unqualified Assistant, principally for the Laboratory of a Retail business; must have had good experience in making Official and Pharmaceutical Preparations and also be competent to assist at Dispensing Counter. State fully experience, age, and salary required (outdoors), 82/18, Office of this Paper.

MARGARET STREET HOSPITAL FOR CONSUMPTION, 26 Margaret Street, Cavendish Square, W.—Dispenser (lady) required beginning of August; Institution experience essential; hours 1 P.M. to 6 P.M. daily, except Sundays and Bank Holidays; salary £52 per annum. For forms of application apply to the Secretary enclosing stamped addressed envelope.

NOTTINGHAM.—Senior Assistant required; one with knowledge of Dentistry preferred. 84/35, Office of this Paper.

RHYL.—Junior required for Season immediately; must be of good address and possess highest references. Age, height, and salary required to P. J. Ashfield, High Street.

ST. MARY'S HOSPITAL, Paddington, W. — Wanted, a Junior Assistant Dispenser; Minor qualifications; ladies ineligible; salary £85 per annum, with luncheon and tea. Applications, stating age and experience, and accompanied by copies of not more than three recent testimonials, to be sent in to the undersigned on or before July 20. Thomas Ryan, Secretary.

WARWICK.—Immediately (indoors), Junior for good-class Light Retail and Dispensing, with Photographic; easy hours; practical knowledge of Photography an advantage. Age, height, and references to Croasdale, The Pharmacy.

WEST END.—Dispensing business has a vacancy for a capable Assistant; one with a good training and used to high-class trade; age about 24. Personal application, or by letter, to Maitland, Son & Lindley, 10 Chester Place, Hyde Park Square, W.

WEYBRIDGE.—Qualified Assistant; indoors; good-class Dispensing and Retail business. Please send full particulars, stating age, height, experience, references, salary required, etc., also enclose a photo, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge, Surrey.

A QUALIFIED Assistant, under 30, for a good-class Light Retail and Dispensing business. Please state age, height, experience, and salary required to J. G. Prebble, Chislehurst, S.E.

A SSISTANT (outdoors), age about 21; Retail, Dispensing, and Photographic; reasonable hours; no Sunday, Bank Holiday, or after-hours duties. Apply, with full particulars and photo, to J. Hayllar, M.P.S., The Pharmacy, 32 High Street, Hoddesdon, Herts.

A SSISTANT, Part-time, or Improver wanted at once; Photographic experience essential; meals in, sleep out. Sawdon, Chemist, 795 Lea Bridge Road, Whipp's Cross, Walthamstow.

A SSISTANT required immediately for good-class Dispensing and Family business. J. T. Davies, 13 Walter Road, Swansea.

A SSISTANT wanted for good-class Dispensing business, age about 22 to 25. Apply, with full particulars as to age, height, experience, reference, and enclose photo, to A. E. Coverdale, Pharmaceutical Chemist, Worcester.

A SSISTANT (registered) to manage Mixed Country Retail and Prescribing business in a colliery district in Durham; unfurnished house; married; reliable; one desiring a permanency preferred; eventual interest probable. Apply, stating salary, age, experience, etc., to "Pharmaceutical Chemist," c/o Messrs. Ismay, Wholesale Druggists, Newcastle-on-Tyne.

A SSISTANT (indoors) wanted for Dispensing in a good-class business; qualification not essential. Apply, with full particulars, to W. Adams, Pharmaceutical Chemist, Shrewsbury.

A SSISTANT for August 12 for high-class trade; age about 25; a smart Counterman and good practical knowledge of Photography essential; outdoors. State salary required and full particulars as to qualification and experience to Manager, H. Lamplough Ltd., 166 Strand, W.C.

A SSISTANT wanted, London (outdoors), for Warehouse and to assist at Counter when required; must be good and careful packer of cases for rail, etc. State age, references, salary required, etc., 85/38, Office of this Paper.

A SSISTANT, unqualified, with good all-round knowledge of the trade, including Country and Agricultural; a good and quick Counterman, willing to assist in Drug Department; short hours; no Sunday duty. State age, height, salary required, references, and all usual particulars in first letter, 84/23, Office of this Paper.

BRANCH Manager; qualified; another assistant kept; should have had experience in quick Cash Retail and possess a knowledge of Photography. State age, height, references, salary required, and enclose photo, to W. T. Hiicks, 294 Newport Road, Cardiff.

CAPABLE, unqualified Assistant required; good Salesman and Dispenser; permanency and good salary for suitable man. Timothy White Co., Ltd., Chemists, Portsmouth.

CAPABLE and energetic qualified Manager required (with view to succession preferred) for neglected Branch Business; must be of sober habits, good Salesman, Prescriber, and Window-dresser; working-class neighbourhood; South Wales town. State age, height, experience, salary required, and usual particulars to "Salol" (85/3), Office of this Paper.

DISPENSER to Doctor required as Locum from August 3 to August 10. Apply, stating particulars, 4 Great Avenham Street, Preston.

EXPERIENCED (outdoor) Assistant required; a knowledge of Welsh desirable, and references should be good; hours short, and time for study given. Give full particulars first letter, Rhys D. Morgan, Maesteg, Glamorgan.

EXPERIENCED Assistant required at once, age about 30, one used to Dispensing; permanency to suitable man. Apply, with full particulars, age, experience, and salary required, giving references, C. Smalley, Chemist and Optician, 12 Carr Street, Ipswich. Applications not answered in 4 days declined.

EXPERIENCED qualified Assistant wanted for modern Retail business in London; permanency and opportunity for promotion for good worker. Apply, "W. T." Burgoine, Burbidges & Co., Coleman Street, E.C.

FIVE days' work at Medical Exhibition at Liverpool from July 22; qualified Assistant wanted to interview Medical Men; expenses paid and liberal salary. Apply, with particulars of age and similar experience (if any), to 83/34, Office of this Paper.

HALF daily at Seaside. — Assistant required, about 22, for August and September; suitable for student. State age, height, salary required, when disengaged, names of two last employers, 82/27, Office of this Paper.

IMMEDIATELY.—S. Browning Moss, Pharmacist, West Byfleet, requires an unqualified Dispensing Assistant to commence duties next Monday, 15th inst. All particulars, and photo if possible. Not over 25.

IMMEDIATELY.—Junior Assistant (outdoors), accustomed to up-to-date Dispensing and with knowledge of Photography; Surrey. Apply, with full particulars stating salary required, with photo if convenient, to "Fortuna" (85/7), Office of this Paper.

TIMPROVER in Dispensing business. Send full particulars, with photo, to Wing, 2 Victoria Quadrant, Weston-super-Mare.

INLAND HEALTH RESORT.—First-class Assistant required, unqualified, age about 30; must have had good Counter and Dispensing experience and be well up in Photography; a permanent and lucrative position for a capable man. 78/1, Office of this Paper.

J. ELLIS, Pharmacist, Wallasey, requires a Junior; lady preferred.

JUNIOR Assistant wanted, able to Dispense; outdoors; must have good references. Full particulars to Gould, 10 High Road, Chiswick.

JUNIOR wanted for 3 or 4 weeks commencing August 7, with knowledge of Photography preferred. All particulars and salary required (outdoors) to Wilby, Chemist, 124 Humberstone Road, Leicester.

JUNIOR Assistant wanted at once; outdoors; must be a good Counterman, with knowledge of Photography. State age, height, salary, with usual particulars, and when disengaged Newton Wright, The Pharmacy, Ilford.

JUNIOR Assistant wanted at once, with knowledge Photography preferred; no Dispensing; short hours. State references and salary required (outdoors), Drug Department, Burgis & Colbourne Ltd., Leamington.

JUNIOR Assistant wanted (indoors) for September 1, for good class business, with knowledge of Photographic trade. State salary required in first letter, also references, Williams & Smith Horsham.

JUNIOR, unqualified, about 21 (indoors), for Light Retail and Dispensing business; time allowed for study. Apply, S. V. Dawson, 56 Knight's Hill, West Norwood, S.E.

JUNIOR Assistant wanted at once for three months in Light Retail, Dispensing, and Photographic business; one often kept; indoors. Apply, with references and salary required, William Pickard, Pharmacist, Belle Vue, Bude, North Cornwall.

JUNIOR for good-class Country and Dispensing business; some knowledge of Photography preferred; must be gentlemanly, steady, and reliable. Apply, stating age, 84/21, Office of this Paper.

JUNIOR (outdoors) end of July. State age, height, and salary required, Chesterfield, 190 Canterbury Street, Gillingham, Kent.

IOCUM required for a fortnight in August; qualified references to F. Leggott, 236 Beverley Road, Hull.

MANAGING Assistant, also Improver or Junior, for midd-class Retail business in a Kentish town; former qualification 25-30; knowledge of Optics and Photographic preferred, on premises (unfurnished) if married; latter unqualified. 19-22, outdoors, time allowed for study. Full particulars of experience, references, when disengaged, salary required, etc., with photo (to be returned), to "Krypton" (86/12), Office of this Paper.

OUTDOOR competent Junior Assistant, accustomed to high-class Dispensing, early in September. Send particulars to age, height, experience, salary, and references to A. H. Evans, Pharmacist, Stamford Hill, N.

ART-TIME Assistant wanted; indoors; comfortable home; duties principally evenings; suitable for student. 175 Uxbridge Road, London, W.

QUALIFIED Dispenser and smart Salesman for Retail business at Plymouth; outdoors. Write, stating age, height, and salary required, enclose photo, Baxter, Ruskin Manor, Denmark Hill, S.E.

QUALIFIED Assistant required; early prospect of Management; good and progressive salary; short hours. Apply Timothy Co., Ltd., Chemists, Portsmouth.

QUALIFIED Assistant, about 30, for Mixed business; outdoors; no Sunday duty; permanency. Apply, stating salary, age, full particulars, to J. Hulme & Co., Ltd., Greenacres Hill, am.

QUALIFIED Assistant for good-class Dispensing and Light Retail; indoors. Apply, John Cooper, Pharmacist, Weston-super-

QUALIFIED Assistant; outdoors; must be an experienced Dispenser and a smart Counterwoman and accustomed to good-class business; age about 25; only one kept; personal application preferred; if by letter, give full particulars, stating salary required enclose photo. T. F. Elton, 28 Endsleigh Gardens, Euston Road, N.W.

QUALIFIED Manager wanted for Branch; energetic and capable; knowledge Photography preferred. Apply, H. T. &, 86 High Street, Whitechapel, E.

QUALIFIED Manager, about 30 years of age, for Light Mixed Retail in suburb of Sheffield; married, to live on premises; house, unfurnished; competent, obliging Counterwoman, with credentials; would find a comfortable permanency. Full particulars to J. Dale, Pharmacist, Ansdell, Lytham.

QUALIFIED Assistant required immediately; good opening for a man anxious to get on, as there is every prospect of a future Management later. State age, previous experience, and required, 78/01, Office of this Paper.

QUALIFIED Junior required immediately for high-class business in the West End; must be of good appearance and address. age, name of last employers, and fullest particulars to , Office of this Paper.

QUALIFIED Assistant for progressive Retail business in London; good opening for an obliging worker; must be able to charge in absence of Principal. 84/27, Office of this Paper.

QUALIFIED Chemist as Locum Tenens wanted for 3 weeks in August for Poor Law Infirmary; please give usual particulars and remuneration expected; hours 9 to 5, with dinner daily. (82/4), Office of this Paper.

TABLE Assistant required; unqualified; Counter and Dispensing; used to Photographic business; abstainer preferred. age, height, experience, salary (indoors), enclose photo, to , Chemist, Havant, Hants.

RT and capable Assistant, unqualified, for quick Store Ade. Apply, giving previous experience, age, salary required, Ltd., 12 Haymarket, Leicester.

BRIGHT, Pharmacist, 168 Church Road, Willesden, N.W., requires for August 2 qualified or competent unqualified man as Assistant for quick Retail and Dispensing; indoors. give full particulars of experience and references, and salary required; or apply personally. If by writing photo oblige.

QUALIFIED Assistant; good Dispenser and Counterwoman; age about 26; state when disengaged, salary required. enclose photo; a man desirous of a permanency will be very dealt with. Also vacancy for Junior, age 18 to 20. Fisher Leamington Spa.

QUALIFIED Assistant wanted, preferably indoors, but outdoors considered. State full particulars to Wade, Chemist, S. Wales.

QUALIFIED; outdoors; 4 weeks from August 1; well up in Photographic work (Developing, etc.). Apply, stating age, and wages required, to Cole, William Street, Herne Bay.

QUALIFIED outdoor Assistant; permanency; East Coast; age, experience, salary required, when disengaged, and photo; also a Season Assistant till end of September. Apply, "L." (83/18), Office of this Paper.

ANTED, Assistant, unqualified, August 8 to 23 inclusive. state age and terms (indoors) to Morgan & Co., 102 High Aberrychan, Mon.

TED at once for about a month, qualified Locum. Apply, giving full particulars, to Gostling & Co., Agricultural Diss., Norfolk.

ANTED, a good all-round qualified Assistant immediately in brisk Retail and Mixed business. Apply, stating age, height, and salary (outdoors), references, and enclose photo (to be returned), J. & J. Clemishaw, Ltd., Chemists, 10 Water Street, Bury, Lancashire.

ANTED, for good-class business in country town, an energetic unqualified Assistant (outdoors), with knowledge of Photography and Agricultural trade, able to Prescribe and be left in charge, and who will really take an interest in his work. Apply, with usual particulars, to "N. M." (83/15), Office of this Paper.

ANTED, for a period of 2 or 3 months or so, an Assistant, well accustomed to good-class country town Retail, understanding arrangement of Stock, Bookkeeping, and capable of taking charge, etc. Apply to "K. K." (84/150), Office of this Paper.

ANTED, Junior Assistant, who understands bookkeeping, for good Country business. State age, experience, and salary required, Neale, Market Place, Ulverston.

ANTED, an active qualified Junior, also Assistant, for Stock and Counter. Apply, W. Bates & Co., Ltd., 50 Oxford Street, Southampton.

ANTED, September 1, a qualified Assistant, about 28, as Senior; good Dispensing experience necessary; indoors. W. McEwen, 17 Craven Road, London, W.

ANTED, by July 30, a gentlemanly Junior, not under 22 years of age, for a Dispensing business; indoors; an excellent opportunity for acquiring a practical knowledge of Botany. State height and full particulars to Edwards, Pharmacist, Kew.

ANTED, Senior Assistant, married, to live on premises. Give all particulars, also salary required, in application to Messrs. Thomas Saxby & Milne, Montpellier, Cheltenham.

WHOLESALE.

LABORATORY.—**Youth,** aged about 17-18, wanted in Wholesale Druggist's, with some experience. Apply, stating full particulars, wages expected, and if disengaged, to 86/220, Office of this Paper.

ASISTANT required for Wet Floor in Wholesale Druggists'; age 23-25; must be thoroughly experienced. Apply, stating full particulars of previous experience, age, and wages required, to 80/26, Office of this Paper.

ASISTANT wanted, with view to Travelling, by firm of A Mannufacturing Horticultural and Agricultural Chemists, age about 25 years; unquestioned references required; progressive post to suitable man. Write, stating experience and all particulars, to 83/4, Office of this Paper.

EXPERIENCED Packer wanted at once; must be accustomed to Bond work and have had first-class experience in Wholesale trade. Apply, stating age, experience, and wages required, to "Packer" (235/35), Office of this Paper.

ENTERING Clerk required, used to Patent Medicines and Druggists' Sundries. Apply, with full particulars, to "H. A." (86/4), Office of this Paper.

JUNIOR Clerk, age about 18, wanted in the office of a London Wholesale Druggist's; must have had some experience either in the Wholesale or Retail. Apply, by letter, with full particulars, to "H." (236/530), Office of this Paper.

PACKER, experienced, aged about 22, wanted for Wholesale Druggists'. Apply, stating full particulars, wages expected, and if disengaged, to 86/22, Office of this Paper.

REPRESENTATIVE wanted, qualified Chemist preferred, to call on Chemists and Doctors on behalf of an old-established Wholesale Drug House for the sale of Drugs, Galenicals, Packed goods, and Proprietary articles; must have thorough experience of the requirements of the Retail trade, also of Medical men; permanent situation, with ample scope for advancement, offered to an energetic, tactful, and capable salesman, with suitable salary and expenses; replies, which will be treated in the strictest confidence, must contain fullest particulars of previous experience, qualifications, age, etc.; highest references required. 235/24, Office of this Paper.

REPRESENTATIVE wanted by a large firm of Manufacturing Chemists; must have Pharmaceutical qualification and be well up in therapeutics; previous travelling experience not necessary. Apply to 237/610, Office of this Paper.

REQUIRED by important Manufacturing Perfumery house, Representative for North of England and Scotland; must have sound connection on the ground, be thoroughly trustworthy and capable, and have unquestionable testimonials. Apply, in confidence, with full particulars, Grasee (85/39), Office of this Paper.

TRAVELLERS required, with genuine connection amongst Chemists and Druggists, by old-established firm, to handle as a side-line an article with rapidly increasing sale; good commission, small samples. Kolene Co., 210 Stewart's Road, London, S.W.

WANTED, by a Surgical Instrument house in Birmingham, a smart young man as Assistant; one accustomed to Counter trade preferred. Apply, stating wages required, etc., etc., to 236/51, Office of this Paper.

YOUNG man required for Stocktaker's office; must have served an apprenticeship and be quite familiar with the cost price of Drugs, Sundries, and Patent Medicines; a good opening, with splendid prospects, to applicants desirous of getting on. 78/010, Office of this Paper.

YOUNG Pharmacist, with good Dispensing experience, required in a large Wholesale house in London. Apply, stating age, experience, and salary required, with recent photograph if available, to 237/61, Office of this Paper.

SITUATIONS OPEN (Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

AUSTRALIA.—An Australian Pharmacist visiting this country would be glad to answer questions respecting Pharmacy in Australia to Assistants contemplating going there; he can also give addresses where good men can depend on securing engagements on landing. Write, "Visitor" (22/22), c/o "The Chemist and Druggist of Australasia," 71 Queen Street, London, E.C.

NATAL.—Qualified Assistant required, salary £18, £19, and £20, for 3 years' agreement; second-class passage paid; total abstainer; excellent references required. Apply, 236/53, Office of this Paper.

CALCUTTA.—Wanted, by September 1, Minor qualified Assistant for first-class European business; single; age 24 to 26; 4 years' agreement; salary first year £200 per annum, second year £220, third year £240, fourth year £280; second-class passage paid per P. & O. Apply, with copy testimonials and photo, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

CHEMIST, with Minor certificate Pharmaceutical Society, required, about 24, single, for first-class British business in Ceylon; excellent opening for smart Assistant with experience of good-class trade; passage paid out and home. Apply, with full particulars, to Dakin Brothers, Ltd., 82 Middlesex Street, London.

OPTICAL Assistant, unmarried, D.B.O.A. or F.S.M.C., wanted for Rhodesia; must have a good knowledge of Photography and have had Pharmaceutical training; salary (outdoors) £20 per month first year, £22 10s. per month second year, and £25 third; 3 years' agreement; passage paid out. Apply, by letter only, "L.," 14 Lafone Street, London, S.E.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of **6d.**

[HOME]. RETAIL.

ALERT Dental-Surgery and Pharmacy Manager at once. 80/35, Office of this Paper.

ASSISTANT, high-class, disengaged; references; Birmingham preferred. "Salvarsan," 4 Belvedere Road, Taunton.

ASSISTANT; Part-time, evenings at 4 p.m. and Saturday help; terms moderate; good experience. 79/38, Office of this Paper.

BRANCH Manager or Senior; qualified; 36; tall; Dispensing, Photographic; disengaged. 85/32, Office of this Paper.

CONTINENTAL Pharmacist requires situation with Doctor or Chemist; terms moderate. "Continental," 235 Commercial Road, E.

DISENGAGED; Pharmacist and Surgeon-Dentist; extensive all-round experience; moderate salary; active, reliable, etc.; single. "Manager," 37 Breck Road, Bootle, Liverpool.

DISPENSER, Hall qualification (lady), desires post with a Doctor or Chemist; good references. Nurse Smith, 62 Wilshire Road, Brixton, S.W.

HOLIDAY Locum; disengaged August 18 to August 31; best all-round experience; reliable; highest references; terms moderate. Write or wire, R. Garry, Chemist, 9 Tulse Hill, Brixton, S.W.

IMPROVER (19) desires indoor situation; salary immaterial. 155 Shaw Street, Liverpool.

IMPROVER in a good-class Retail and Dispensing business. 1 "M. I." (84/12), Office of this Paper.

IMPROVER (17) desires engagement in good-class Retail and Dispensing business; indoors; experience more important than salary. "K.," 39 Market Place, Barnard Castle.

J. PYE, Chemist, qualified, is disengaged; Hospital and Retail experience. 62 Lynette Avenue, Clapham Common.

JUNIOR (19) requires situation, with Dispensing experience, in Retail business in Lancashire, Yorkshire, or Cheshire; Photographic knowledge. Pulvis, 72 Hennion Street, Bolton, Lancs.

JUNIOR in good-class business; age 22; had 3½ years' experience in London and country; outdoors or indoors. Give full particulars re hours, etc., to "Chemist," 73 Douglas Terrace, Borough Road W., Middlesbrough, Yorkshire.

JUNIOR (19), 3½ years' good experience, desires position in Liverpool district. 82/33, Office of this Paper.

JUNIOR; 21; 4½ years' experience; London preferred. 83/14, Office of this Paper.

JUNIOR; aged 21; good references. Roberts, 233 New King's Road, Fulham.

LOCUM; qualified; 57; Retail or Institution; energetic, reliable; references; disengaged to August 4 only. Address, "Pyro," 402 St. John Street, Clerkenwell, E.C.

LOCUM; qualified; disengaged; 30; good references and experience. 82/7, Office of this Paper.

LOCUM; disengaged July 29 to August 10; abstainer; excellent references. Heatoy, Ph.C., M.P.S., Ripley, Derbyshire.

LOCUM; 24; unqualified; disengaged; Counter and Dispensing; references. Leman, 29 Keswick Road, Blackpool.

LOCUM; qualified; any capacity; Dispensing preferred; disengaged. "Chemist," 48 Coningham Road, Shepherd's Bush.

LOCUM; 46; experienced; abstainer; disengaged July 18; terms moderate. "Chemist," c/o Mountain, Bicester, Oxon.

LOCUM disengaged July 22 until August 5; qualified; experienced all branches; tall. "Energetic," 36 Ranelagh Gardens, Stamford Brook Avenue, W.

LOCUM disengaged July 15 to 29 (all or part); qualified; 32; terms moderate. "Radium," 100A Bellenden Road, Peckham.

LOCUM; experienced; middle-aged; abstainer; good Prescriber, etc.; unqualified; excellent references. "Energetic," 20 Chapel Street, Uxbridge.

LOCUM; qualified; tall; 39; disengaged until 29th. Longman, 17 York Chambers, Adelphi.

LOCUM; qualified; disengaged; good experience. Thomas, 6 Paddenswick Road, Hammersmith, London, W.

MANAGER; live over premises preferred (not essential); highest references; would invest up to £400 in sound concern; country not objected to. "Qualified," (84/16), Office of this Paper.

MANAGER, Senior, or Locum; 35; married; unqualified; Dispensing, Photographic, and Agricultural experience; good Prescriber and Window-dresser; permanency; position preferred where keen business ability is appreciated; disengaged early in August. Mason, 39 Falmouth Road, Heaton, Newcastle-on-Tyne.

MANAGER; steady, reliable, energetic; good all-round experience; good references; unqualified; moderate salary. "Chemist," c/o Burgess, 12 Fairfax Road, Prestwich, Manchester.

MANAGER or Locum; unqualified; 4 years in last situation; specially good in Proprietary selling. Reynolds, 112 Crescent Road, Woolwich.

ANAGER or Locum; Pharmacist; exceptional experience, Photography, Optics, Radiography, Electrotherapy; excellent references; abstainer; married. Garwood, 65 New North Road, N.

ANCHESTER.—Unqualified, tall, experienced, Dispensing, Retail, desires evening and Saturday work. "Ricini," 50 George Street, Cheetham Hill, Manchester.

ENSIONER R.A.M.C. as Dispenser to Doctor or Dispensary; Midlands, London. "Statim," 1 Western Street, Bedford.

ERMANENCY desired by competent man; 13 years' varied experience; abstainer; tall; expert knowledge of Photography. Alice Nixon, Brooklyn Villas, Darnall, Sheffield.

HARMACIST (34) desires permanent position of trust, or Locum engagement; highest references; West-End Dispensing experience. "Pharmakos," 46 Drury Road, Harrow.

UALIFIED; 34; tall; Manager, Senior, Locum; experience all classes; permanent position preferred; disengaged soon; personal references. "R.," 23 Crouch Hill, N.

UALIFIED Assistant; 30; Dispensing experience. Robinson, 32 Station Street, Walsall, near Birmingham.

UALIFIED Doctor's daughter seeks post as Dispenser and Mother's Help, Doctor's family; country preferred; experienced; good references. Garrett, 262 Southtown, Great Yarmouth.

UALIFIED; 27; disengaged August 10; London and provincial experience. "S.," 260 Upper Street, London, N.

UALIFIED, elderly Chemist open to engagement, with good hours; moderate salary accepted; references of the best. Office of this Paper.

UALIFIED Manager; Liverpool; 20 years' Liverpool experience. "Pharmacist," 65 Kensington, Liverpool.

ALIFIED, Manager, married (34), experienced, Dispensing, Photography, desires permanency. Collitt, 12 Sydonham Ter., Louth.

ALIFIED Manager; 31; experienced all branches; good references; succession entertained. "A. E." (85/35), Office of Paper.

ALIFIED desires Locum work in or around London; excellent references. 85/36, Office of this Paper.

ALIFIED Manager or Senior; view to succession; 35; single. "F. P.," 3 Mortlake Terrace, Kew.

LIFIED (32), first-class West-End experience, requires morning engagement; disengaged. 86/10, Office of this Paper.

LIFIED; Manager; 38; smart Counterman and Dental operator; special terms with interest in Dentistry; own outfit, engine, gas apparatus, etc.; disengaged. 86/11, Office Paper.

KEEPER, Warehouseman; assist Counter; age 28; well in Drugs and Patents, Photography; life experience; first-classes; disengaged. 80/220, Office of this Paper.

ORARY or permanency; experienced Manager; 35; uninterested. "Chemicus," 27 Portsmouth Street, C-on-M., ter.

ALIFIED; good experience; Dispensing, Photographic, Counter; South-East preferred. Fairhead, 35 Bath Leamington.

ALIFIED, responsible Manager; 40; Dentistry and Pharmacy; also Photo and Optical experience; married; last 10 years. "Dentur," 70 Belgrave Road, Plaistow, E.

ALIFIED Assistant; well-educated young man, aged 30, good address, with business ability, desires permanent; well conversant with Dispensing, Window-dressing, Billing, and Counter trade; undeniably references; Yorkshire, Northern district preferred. "Reliable" (80/25), Office of Paper.

LIFIED; capable Scotchman; 26; West or South district; early August; night berth no objection. Allan, 166 C.

LIFIED, reliable Assistant; 34; very good Dispenser; London experience; salary 32s. (outdoors). "Salol," Office of this Paper.

LIFIED; age 36; 6 ft. 9 in.; smart appearance, good; West-End experience; Prescriber and Extractor; life married; town or country. "K." (84/11), Office of this

UNQUALIFIED; 25; London preferred; or would take Locum. "A. E. M.," Mills, Chemist, Dulwich.

UNQUALIFIED Assistant or Manager; 34; married; excellent personal references; experienced; good Counterman, Window-dresser. "Salol," 145 High Road, Ilford.

WORTHING.—Qualified Chemist requires Locum or Dispensing by the hour. 9 Southdown Terrace, Lyndhurst Road.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

ADDITIONAL Agency wanted by Traveller representing London Drug house in Scotland. 81/29, Office of this Paper.

DVERTISER (25 years old), unqualified, 7 years' experience, Retail and Dispensing, requires position with well-known firm as Traveller; or situation in Wholesale house with prospect of advancement; well educated; highest references. 83/29, Office of this Paper.

DVERTISER, well known in trade, good correspondent, buyer, business must increase with his methods, excellent references, proved good manager, seeks change; 50s. 85/33, Office of this Paper.

ENCIES wanted; working Manchester, Liverpool, and Lancashire towns. 83/5, Office of this Paper.

OMMERCIAL gentleman, working the principal towns in England about three times a year, is open to Represent another established firm on commission and part travelling expenses; high-class Chemists and Confectioners. "Commercial," 16 Elmhurst Mansions, Edgeley Road, Clapham, S.W.

ENTLEMAN (37), with sound business experience, qualified Chemist, wishes engagement with Wholesale firm or Specialty Manufacturers; organiser; accustomed control of staffs; no objection part Travel, London; interview. "Enterprise" (86/3), Office of this Paper.

UALIFIED (27), as Traveller with good London house. "S.," 49 Osney Crescent, Camden Town.

REPRESENTATIVE, calling upon Doctors, Veterinary Surgeons, and Chemists, requires high-class Agency; experienced interviewer; 5 years present house; share expenses. "Success" (82/8), Office of this Paper.

WAREHOUSEMAN, Packer, Stockkeeper, putting up Orders, or any position of trust; age 28; life experience; first-class references; disengaged. 80/22, Office of this Paper.

WAREHOUSEMAN (general); Stockkeeping (card index), Checking, Despatching (Home and Export); used to control; 20 years' experience, first-class houses; at liberty August 1; excellent reference and good reason for change. Address, "J. L. M." (85/30), Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

DVERTISER (35) seeks situation abroad, preferably South Africa; Minor qualification; exceptional experience in Dispensing, Prescribing, Photography, Veterinary, and Agricultural; highest references. "Cinosam," c/o Messrs. Wright, Layman & Umney, Ltd., Southwark Street, London, S.E.

F. MERTEN & CO., 72 Marlborough Rd., Holloway, LONDON, N.
THE CHEMISTS' WINDOW TICKET EXPERTS.

All Chemists anxious to secure a
SMART AND EFFECTIVE, BUSINESS-PULLING WINDOW DISPLAY
should write us for Samples of our

"ART-SPUN RELIEF SERIES OF WINDOW TICKETS"
which will be sent (Carriage Paid) on receipt of Postcard. We specialise in designing Art Displayed Tickets for Chemists.

MISCELLANEOUS.

MCADAM & TUCKNICKS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—25 W. J. Bush Preference, 82s.; £500 1st Mortgage 4 per cent. Debenture Stock £85 per cent., yielding to purchaser £4 17s. per cent.; 100 Ilford Ordinary, 15s. 10*½*d.; 200 per cent. Preference, 19s. 7*½*d.; 250 G. B. Kent Preference, 15s. 7*½*d. x.d.; 50 Lewis & Burrows £1 6 per cent. Preference, 11s. 4*½*d.; 150 Wright Layman 6 per cent. Preference, 21s.; 100 Southall Bros. Preference, 23s. 3d. x.d.; 100 John Knight Ordinary, 23s.; 250 International Sponge Ordinary 9s.; 300 Preference, 14s.

WANTED (subject).—100 Allenbury "A" Preference, 23s. 3d.; 100 "B" Preference, 22s. 9d.; 100 G. B. Kent Preference, 14s. 6d. x.d.; 40 Evans Lescher Preference, 100s. 6d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers or Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

CHEMISTS' SHOPFITTINGS (second-hand).—Very large quantity of Wall Fittings, Show-cases, Dispensing Screens, Perfume-cases, etc., etc., to clear for cash; great bargains; call and view, or send sizes of what you require; these goods must be sold. PHILIP JOSEPHS, 93 Old Street, Goswell Road, London, E.C.

CHEMIST'S Drug Fitting, 15 ft. long; about 60 mahogany-fronted Drawers, various sizes, Glass Knobs and Labels; Bottle Shelving and Cornice, £11 10s., cost £20; mahogany-top and glass-fronted Counter, 15 ft. long, £8 10s.; Nests of Counter Drawers, from 37s. 6d.; Dispensing-screen, 7 ft., mirror centre, £5; Wall-cases, all lengths; mahogany bent Plate-glass Counter-cases, 6 ft., 97s. 6d.; bargains; good as new. H. Mills, The Up-to-date Chemists' Shopfitter, Shopfront Builder, Steam Works, 163-5 Old Street, E.C.

THE Chemist Syphon trade; errand-boys delight to take them out on one of our new trolleys; price only 37s.; hundreds in use. Arthur & Co., K.P., Cambridge.

IN THE HIGH COURT OF JUSTICE, CHANCERY DIVISION.
MR. JUSTICE SWINFEN EADY. 1912. S. 092.

IN THE MATTER OF S. F. GOSS, LIMITED and REDUCED
and

IN THE MATTER OF THE COMPANIES (CONSOLIDATION)
ACT, 1908.

NOTICE is hereby given that a petition presented to the High Court of Justice, Chancery Division, on the 2nd day of July, 1912, for confirming the reduction of the capital of the above-named Company from 20,000*l.* to 10,000*l.* is directed to be heard before His Lordship Mr. Justice Swinfen Eady on the 29th day of July, 1912.

Any creditor or shareholder of the Company desiring to oppose the making of an order for the reduction of the capital of the said Company under the above Act should appear by himself or his counsel for that purpose.

A copy of the said petition will be furnished to any creditor or shareholder of the Company requiring the same by the undersigned on payment of the regulated charges for the same.

Dated this 8th day of July, 1912.

EDGAR MORRIS,
81 Park Street, Grosvenor Square, W.,
Solicitor for the above-named Company.

TEN
POUNDS
FOR
ONE

For over six years I have been increasing Chemists' businesses. That I do not do it for nothing is true, but that for every pound I get in net profit you secure ten is also true, and I have no difficulty in proving this; in fact, my free booklet and references will prove it to you. Get it NOW.

BERNARD SLACK, 9 King St., Wolverhampton. Nat. Tel. 581.

A NEW TOILET SPECIALITY.

The idea and formula for this is what I shall send out to my clients shortly. This is a great advance upon the old Nursery Lotion, and at present there is not one like it on the market. Up-to-date ideas in Specialities and advertising are my Specialty. Please note that my special offer to Pharmacists will close shortly. Booklet, "How to Increase Your Business," explaining my methods, sent post free to Pharmacists only. Send for a copy to-night. A Pharmacist writes:—"Your new scheme in advertising is just what is required for the up-to-date Pharmacist. I am delighted with it."

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

9d. for 4d.

That's how it looks on paper, but whether you get it or not depends on (a) the average rate of sickness in and (b) the economical management of the Society you join. Both of these are strong features in your own Society—THE CHEMISTS' FRIENDLY. A postcard to the Manager will convince you.

William McCALLUM, C.A., Manager C.F.S., 194 St. Vincent St., Glasgow.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"CHEMIST AND DRUGGIST," 1897 to 1911 inclusive; whole or part; what offers? G. DAUNCEY, Nugent Terrace, St. John's Wood.

"CHEMIST AND DRUGGIST DIARIES," 1911, 1909, 1908, 1907, 1906, clean; "Year Book of Pharmacy," 1906; 8 vols. "Chemist and Druggist," 1890, 1891, 1892, 1893, bound. APLIN, Exeter.

TAYLOR'S "Sexual Disorders, Male and Female," 1905, one page missing, otherwise perfect, published 16s. net, 10s.; Macnaughton-Jones's "Diseases of Women," 1900, published 21s. net, 10s. 6d.; Fuller's "Male Sexual Organs," 1895, 7s. 6d.; all illustrated. ENNESS, Chemist, Wandsworth, S.W.

OPTICAL AND PHOTOGRAPHIC

QUARTER-PLATE stand camera, single extension, tripod, Thornton Pickard shutter, R.R. lens, £2 5s., or best offer. 86/20, Office of this Paper.

PROPRIETARY ARTICLES.

ONE each Woodcock's W.P. 8d., Sanacine 9d., Towle's P.P. 8d., Scott's P. 8d., Smith's potass. comp. 9d., Schiffmann's 1s. 6d., Nalidix's worm 6d., Karox 8d., Norton's 8d., merc. wax 2s. 6d., Himrod's 2s., Salrado 9d., Edos 6d., Bromo-Seltzer 9d., Burgess's pills 7d., Grasshopper P. 7d., Congreve's elix. 2s. 9d., 1s. 6d., Brown's chlor. 2s. 9d., 1s. 9d., Jacob's oil 2s. 6d., 1s. 6d., Capsuloids 6d., Celandine 6d., Fennings' C. P. 8d., Geraudel's 9d., Pertussin 2s., Formalin vaporiser tabs. 1s., 8d., Kepler c. Easton 1s. 6d., Kepler c. Haematojen 1s. 6d., Phosferine (unstamped), 1 doz. 9s., 22s., Doricene, 1 doz., 2s., 4s., Fairilene 2s., Rowe, Ph.C., Arklow, Ireland.

OFFERS wanted; 8 oz. each sulphonal, ol. cadini, ol. santal., tinctures lavender, lobelia, lupuli; 4 oz. each cantharides, vin. pepsin, vin. antim., tinct. cannabis; 5j. morph. hydrochlor.; 2 oz. oil cubeb., 1 oz. ol. anethi ang.; 1 lb. each pulv. acacie, os. sepiæ; all B.P.; pill machine, 10s.; suppos. mould, 3s.; 2 Antexema, 3 Doane's, 3 Nervlettes, 2 Cuticura, 1 Carter's, 3 Geraudel's pastilles, 2 Jennings', 3 Kay's, 3 Kearsley's, 1 Kilmer's, 1 Vitaloids, 12 Belton's, 2 Veno's tonics 1s., 1 ditto 2s. 6d.; 2 Cresoline 1s.; 2 Crosby's elixir, 2 Bayman's balsam, 2 Rimmel's vinegar, 1 Mennens' powder, 1 Bile Beans 2s. 6d., all clean and new. "CHEMIST," 123 Chillingham Road, Newcastle-on-Tyne.

MISCELLANEOUS.

WATER-BED, size 72 by 36; almost new; price £3 15s. 80/21, Office of this Paper.

I.C.S. advertising course for sale; rare opportunity for assistant with literary inclinations. 85/28, Office of this Paper.

OLD stock; a "Revolver" emulsifying machine, with gunmetal drum, 10 gallons capacity, for power; latest pattern; usual price £35; will accept first reasonable offer. BENNETT, SONS & SHEARS, LTD., Farringdon Works, Shoe Lane, E.C.

WANTED.

OLD artificial teeth wanted; cash return post. "DENT," The Willows, Talke, Staffs.

USED oil, paint, varnish tins, kegs, drums, etc.; cash. LTD., Swann Street, Hull.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

POWER-DRIVEN mixer, also a sifter with crushing rolls for about 150 lb. capacity; suitable for baking-powder, etc.; Gardner's or other good make preferred. SMALE, Crawford Terrace, Ashton-under-Lyne.

ONE dozen show-jars, 4 lb., pink canopy covers, recess labels; from 240 to 300 shop-rounds, recess labels, assorted, 6, 10, and 20 oz.; perfect condition. 84/28, Office of this Paper.

WANTED. 200 oz. quinine bisulph., 6 lb. calcio iodide. Lowest price, PARKER, Chemist, Redcar.

P.A.T.A. and C.D.A.

THE attendance at the annual meeting of the Proprietary Articles Trade Association, held on Thursday, June 11, at Anderton's Hotel, Fleet Street, London, was presided over by one of the Committee as the largest on record, and the proceedings were rather prolonged. The air was occupied by Mr. Benjamin Hirst (of Messrs. first, Brooke & Hirst, Leeds). He formally moved the adoption of the annual report (see *C. & D.*, April 20). Mr. Rowsell (Exeter), in seconding, commented on the satisfactory increase in membership, and described the expenditure of £63*l.* on the investigation of reported cases of test purchases as excellent evidence of the effective work the Association is doing. He referred in sympathetic terms to the loss sustained by the death of Mr. Albert Cooper, whom he described as a valued and active member. Mr. Kutnow expressed the opinion that the main objection some of the leading manufacturers had to the Association was that the Association was not sufficiently aggressive in preventing substitution. The time had arrived, he thought, when something tangible should be done in this direction. He complained of an instance where a chemist appended to a packet of his own preparation a label to the effect that he could supply a more efficacious article at a cheaper price. (A voice: "Is that not a case for your own personal action?" and "Hear, hear.") "What, then, is the reason of my joining the Association?" inquired Kutnow, "if it is not to bring such matters before the Association?" He appealed to Mr. Glyn-Jones if methods such as complained of was not hitting below the belt. Mr. Glyn-Jones remarked that according to the annual report cases of actual substitution had been reported during the year. Mr. Kutnow: But this is not substitution, it is a genuine article. Mr. Swarm, on behalf of his firm, gave expression to the hope that the Association would take steps to protect manufacturers. Mr. Lawson (Daisy, Lancashire) supported Mr. Kutnow, and remarked that an additional reason given by manufacturers for not joining the Association was that the retail trade did not sell any difficult articles which were protected from those which were not. Mr. Pickard, in supporting the adoption of the report, thought the reason of many retailers refraining from joining was that they were in business in districts where competition was not so keen as in larger centres. Mr. Glyn-Jones, replying to Mr. Kutnow, said that there were not now many, if any, proprietors, who attempted to put articles on the market, who do not find within a short time that if they were to succeed they must work through the Association. He did not hold a brief for the chemist who used the label in question, but he would point out that it did not refer to one article. Apparently it was used by the chemist for placing upon articles which did not show him a proper profit; and this course he regarded as perfectly justifiable. The mistake he made was in applying it to an article which was on the P.A.T.A. list. Mr. Kutnow had communicated with the Council, they would have pointed out to the chemist the mistake he was making. At present the Council are not prepared to change their methods to suit those of manufacturers who at present remain outside the Association. Mr. Glyn-Jones complained that no intimation was given on the "Stop List" of the reasons which influenced the Council to include in it the names of the firms affected. He proposed that in future such particulars should be given, but his motion did not find a seconder. After further discussion, the annual report was unanimously adopted. A vote of thanks to the Chairman, proposed by Mr. Kutnow, concluded the proceedings.

The annual meeting of the Chemists' Defence Association, Ltd., was then held, Mr. R. Feaver Clarke, J.P., presiding. The annual report was taken as read (see *C. & D.*, April 20). The Chairman moved its adoption. He said that during the past two or three years the Association had successfully resisted claims amounting to £1,500*l.* Chemists ought to have a strong defence with funds amounting to at least 20,000*l.* Mr. Knight seconded the motion, which, after discussion, was agreed to. On the proposal of the

Chairman, a resolution was passed thanking the members of the Leicester Chemists' Association for the assistance they had rendered the defence in the recent chloride of lime cases. On the proposal of Mr. Barnes, seconded by Mr. Knight the following retiring directors were re-elected: Messrs. J. G. Atkinson, W. R. Barnes, C. J. G. Bunker, W. H. Colley, R. Feaver Clarke, J.P., S. N. Pickard, P. F. Rowsell, and J. W. Sutherland. A vote of thanks was accorded Mr. Johnson (Secretary) for his services during the year, and a similar compliment to the Chairman terminated the proceedings.

PATENT SPECIFICATIONS.

Printed copies of the following specifications are on sale (3d. each) at the Patent Office, 25 Southampton Buildings, London, W.C.; a fortnight after the notice of acceptance has appeared in the "Official Journal" (Patents) of the given dates. Persons desirous of opposing the grant of a patent must do so in the prescribed form within two months from the date of the "Journal" in which the notice appeared.

Specifications Accepted.

May 8, 1912.

- MANUFACTURE OF SULPHURIC ACID. 20063/11. Perry.
- APPLIANCE FOR RUBBING THE SKIN. 21345/11. Clarke.
- MANUFACTURE OF FEUCHONE SOLUTIONS. 26694/11. Rulke.
- MANUFACTURE OF BAKING-POWDERS. 26952/11. Ellis (Chemische Werke vorm. Dr. Heinrich Byk.)
- POCKET ATOMISER. 28207/11. Blochet.
- MASKS FOR ADMINISTRATION OF ANÆSTHETICS. 28951/11. Fries.
- INSTRUMENT FOR USE IN PHOTOGRAPHIC DEVELOPMENT. 660/12. Crane.
- VEGETABLE ALBUMEN FOR SOAP-MAKING. 2191/12. Klopfer.
- MANUFACTURE OF HYDROCINCHONA ALKALOIDS. 3948/12. Vereinigte Chininfabriken Zimmer & Co. Ges.
- MANUFACTURE OF QUEBRACHO EXTRACTS. 7698/12. Redlich & Deutsch.
- TREATMENT OF NITROLIM. 9412/12. MacMahon.

May 15, 1912.

- INSECTICIDES, SHEEP-DIP, VERMIFUGES, AND THE LIKE. 3204/11. McDougall.
- SEPARATION OF ZINC FROM ZINC-SULPHATE SOLUTION. 5967/11. Namekawa, Miyazawa & Emura.
- RUBBER-SUBSTITUTE. 8613/11. Kelly.
- SIZING-COMPOUND. 10846/11. Kalbfleisch.
- MANUFACTURE OF SOLID CAMPHENE. 11029/11. Weitz.
- VAGINAL-SYRINGE NOZZLES. 11177/11. Hering.
- MANUFACTURE OF SUBSTITUTED AROMATIC ARSINES. 11625/11. Imray. (Farbwerke vorm. Meister, Lucius & Brüning.)
- TOILET-COMBS. 11759/11. Thompson & Thompson.
- MANUFACTURE OF CHAMOIS-LEATHER. 13126/11. Lewkowitsch & Wood.
- PHOTOGRAPHIC INVISIBLE PICTURES. 13256/11. Capstaff & Teago.
- PRODUCTION OF OZONE AND UTILISATION. 17423/11. Willcox and J. & E. Hall, Ltd.
- STETHOSCOPES AND EAR-TRUMPETS. 20540/11. Bolthe.
- MANUFACTURE OF HYDROHYDRASTININE. 23736/11. Wellcome, Pyman & Remfrey.
- CAOUTCHOUC-LIKE SUBSTANCES. 27361/11. Farbenfabriken vorm. F. Bayer & Co.
- SURGICAL DOUCHE APPARATUS. 188/12. Vydra & Vydra.
- PRODUCTION OF ERYTHRENE. 251/12. Farbenfabriken vorm. F. Bayer & Co.
- MANUFACTURE OF GLYCEROPHOSPHORIC ACID. 2806/12. Southall Bros. & Barclay, Ltd., & Roy.
- OBTAINING NITRIDE FROM BORIC ACID AND ALUMINA. 3344/12. Soc. Générale des Nitrures.
- BUNION, CORN, AND JOINT SHIELDS. 3654/12. Scholl.

May 22, 1912.

- PRODUCTION OF HYDRATED ALUMINO-SILICATES. 3871/11. Evans. (J. D. Riedel Akt.-Ges.)
- MANUFACTURE OF ZINC COMPOUNDS. 11539/11. Ranson.
- SPHYGMANOMETER. 11686/11. Mercer.
- MANUFACTURE OF HYDROGEN PEROXIDE. 11839/11. Muller & Hydron Washing Machinery Co.
- SOLIDIFYING PETROLEUM. 12291/11. Blackler.
- VIBRATORY MASSAGE APPARATUS. 13622/11. Rombach.
- TOILET-BRUSHES. 16132/11. Cosby.
- MANUFACTURE OF ERYTHRENE AND ISOPRENE. 18935/11. Newton. (Farbenfabriken vorm. F. Bayer & Co.)
- MANUFACTURE OF NEW PYRAZOLENE-DERIVATIVES OF THE BENZENE SERIES CONTAINING FREE HYDROXYL GROUPS. 23197/11. Newton. (Farbenfabriken vorm. F. Bayer & Co.)
- ATTACHING RUBBER TO METALS. 2306/12. Royston (Electro-Chemical Rubber and Manufacturing Co.).
- DROP-BOTTLES. 5153/12. Krone.

CORNER FOR STUDENTS.

THE "Minor" or qualifying examination for chemists and druggists in Great Britain is ever surrounded with mystery to the prospective student. When he seeks the advice of a tutor, the latter cannot overlook results contrary to his expectations, while the stories of candidates fresh from the examination-hall appal him. Even after discounting the effects of the unduly heated imagination of the rejected candidate, there remains the uncertainty that must always attach to haphazard questioning in the oral part of the examination. As long as this method is pursued the examiner is bound to change his main line frequently, as the word soon goes round that Mr. So-and-So is asking about bismuth salts, the barometer, etc. However, in most cases the examiner is guided to a great extent by the candidate's answers, and anyone studying the "Minor" experiences given from time to time in THE CHEMIST AND DRUGGIST will observe again and again that the candidate himself made a certain series of questions possible.

We propose to publish during the summer months a series of experiences written by "Minor" men. The diligent student can obtain great benefit by fully expanding the replies. We propose to aid him in this by making annotations where there is any special point to be noticed or where doubt exists. The remarks refer chiefly to the oral part of the examination. The exercises in our analytical tournament are more difficult than those given in the "Minor," and cover the practical chemistry, while "The Art of Dispensing" will enable the student to cope with any difficulty he could find in the prescriptions given.

The supporters of the present *viva voce* examination argue with much truth that the examiners can more readily gauge by this method the true worth of the candidate and defeat the "crammer" who looms large in the minds of the authorities. This method must always bear heavily upon the nervous candidate, but the latter can prepare himself somewhat by practising answering oral questions. The experiences will form a basis for many useful studies, and should a student know another at the same stage as himself, each might prepare answers to two different sets of questions and play the part of examiner towards one another. This week we give

A TEACHER'S VIEW OF THE EXAMINATION.

It has been my privilege to come into contact with many students of pharmacy, having been associated with a well-known School of Pharmacy in London for nearly four years; and some of the points and hints gathered during that period may perhaps be interesting to students and others. One outstanding feature in my mind is that the student of to-day is drawn from a different class of fellow from those entering pharmacy a few years ago. I believe that the status of the average student is lower than it was even four years ago, not that I wish to imply that the student of to-day is not a thoroughly "good fellow." Most pharmaceutical students have great difficulty in making both ends meet, and the number of part-time men seems to increase. As to the examination itself—I refer more particularly to the Minor—I think on the whole it is very fair, and the man deserves to get through nine times out of ten. There are exceptions, of course, both ways, and occasionally the unexpected happens. I have been particularly interested in the college terminal examination returns as compared with the results in the Minor. Taking the maximum number of marks as 600, the student who can score 400 marks is up to the Minor standard, and almost invariably is among the list of successful men. This, to my mind, is the best possible proof that the Minor is a genuine examination, and by no means such a lucky or "fluky" business as some people would have us believe. At the same time, it is difficult to understand why the pass-list should at one examination be over 50 per cent. and at a subsequent examination fall below 30 per cent.

Now, a word or two to the Minor student. It is absolutely imperative that he should work. The work done in college during the day time *must* be followed up in the

evening, and the average student should find no difficulty in passing the Minor on the present standard after a six months' course of training. It is a mistake to attempt the examination at the end of three months, providing of course that no previous work has been done. The first chance is undoubtedly the best chance, and to be ploughed is to lose enthusiasm, which is so essential to the making of a successful student. A little previous knowledge gained, say, at a technical school, particularly in practical chemistry, is of immense value; and the advantage derived by a three or six months' course of postal lectures, if conscientiously carried out by both parties concerned, cannot be over-estimated.

Undoubtedly the first day of the Minor is the crucial day. I always look upon a man through the practical work, that is the first day's work of the examination, as "three-quarters" of a pharmacist. I can count on the fingers of my one hand the really smart men who have been ploughed on the second day. At the same time, I do not wish to imply that the theoretical side of the examination should be neglected. As far as the second day's work is concerned, chemistry and pharmacy are undoubtedly the most important subjects. One literally wants to be a "walking B.P." *pro tempore*. Abstract pharmacy and a knowledge of pharmaceutical apparatus is a side of pharmacy that must be studied closely. The physical side of chemistry is the cause of many failures, the barometer, the conservation of energy, the laws of gravitation, etc.; all these are on the syllabus, and more often than not are apt to be neglected by the would-be pharmacist. It is interesting to notice how the questions on the organic side of chemistry seem to revolve around certain subjects. Thus, questions on benzoic acid, salicylic acid, benzene, aniline, acetamide, etc., are almost invariably asked, and the organic chemistry generally is confined to very straightforward questions. The inorganic chemistry, on the other hand, cannot be so easily classified, and this particular subject probably accounts for more failures than any other on the second day. Botany is by no means such an important subject in the Minor as the average student is led to believe, and during the whole of my experience I can recall only one failure in botany alone. *Materia medica* is decidedly more important, and a knowledge, other than mere recognition of the drug, is most necessary. The Latin required is not of a very "classical" nature, and I find that more importance is paid to calculations and doses than to the Latin itself.

In conclusion, I should once more like to emphasise the importance of the first day's work. A good first day means a comparatively easy second day, but only "scrape" through the first day, and it portends a struggle for that insignificant piece of paper which means so much and which is so essential to those who follow the profession of pharmacy.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, July 17.

South-Eastern of London Pharmacists' Association, Roebuck Hotel, Lewisham, at 9.30 P.M. All pharmacists resident in the S.E. district are invited to be present.
Plymouth, Devonport, and Stonehouse Association of Pharmacists. Quarterly meeting.

Sunday, July 21.

Manchester and Salford Chemists' Assistants' Association. Ramble to Broadbottom. Train leaves London Road Station (Great Central) at 9.55 A.M.

MR. WILFRID DANIEL, of Messrs. Baiss Bros. & Stevenson Ltd., has been nominated a Worshipful Master of the West Wickham Lodge No. 2948.

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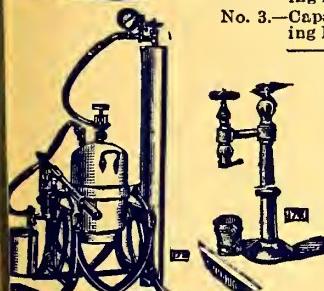
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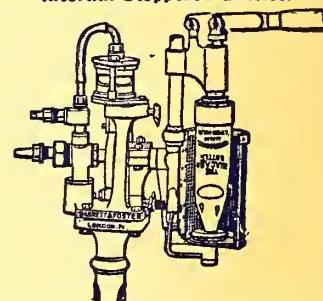
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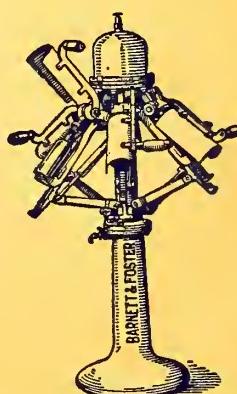
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